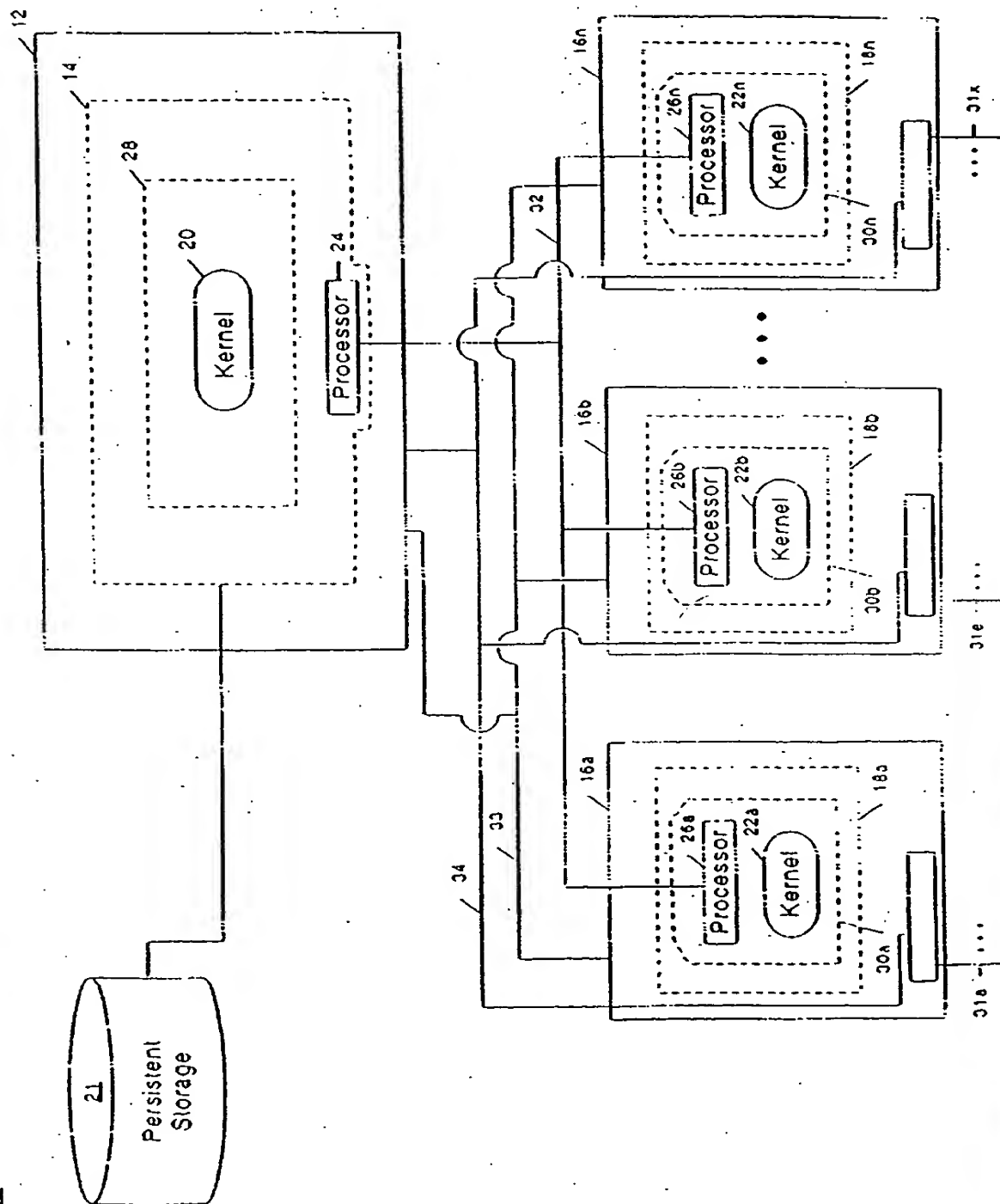


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Fig. 2a

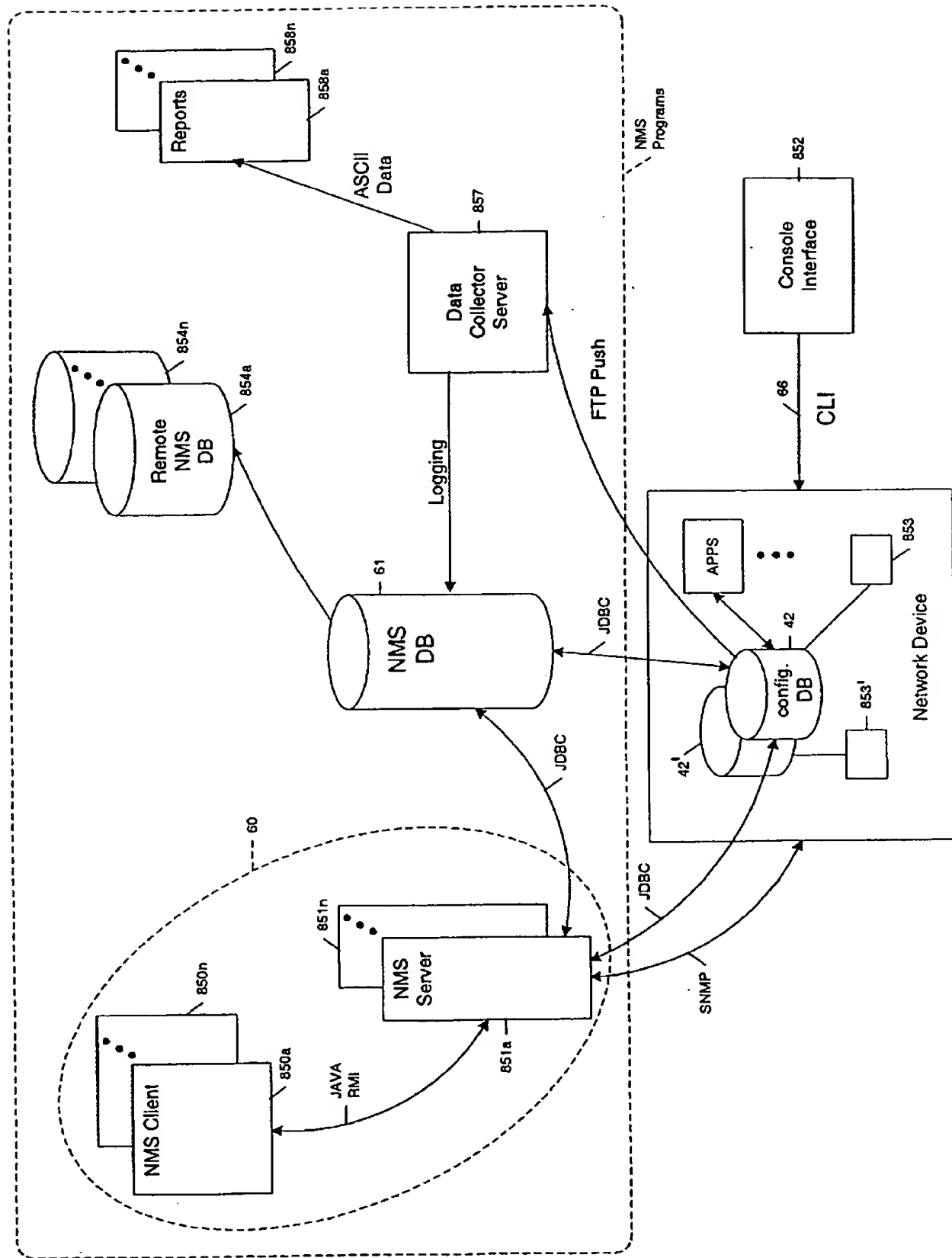


Fig. 2b

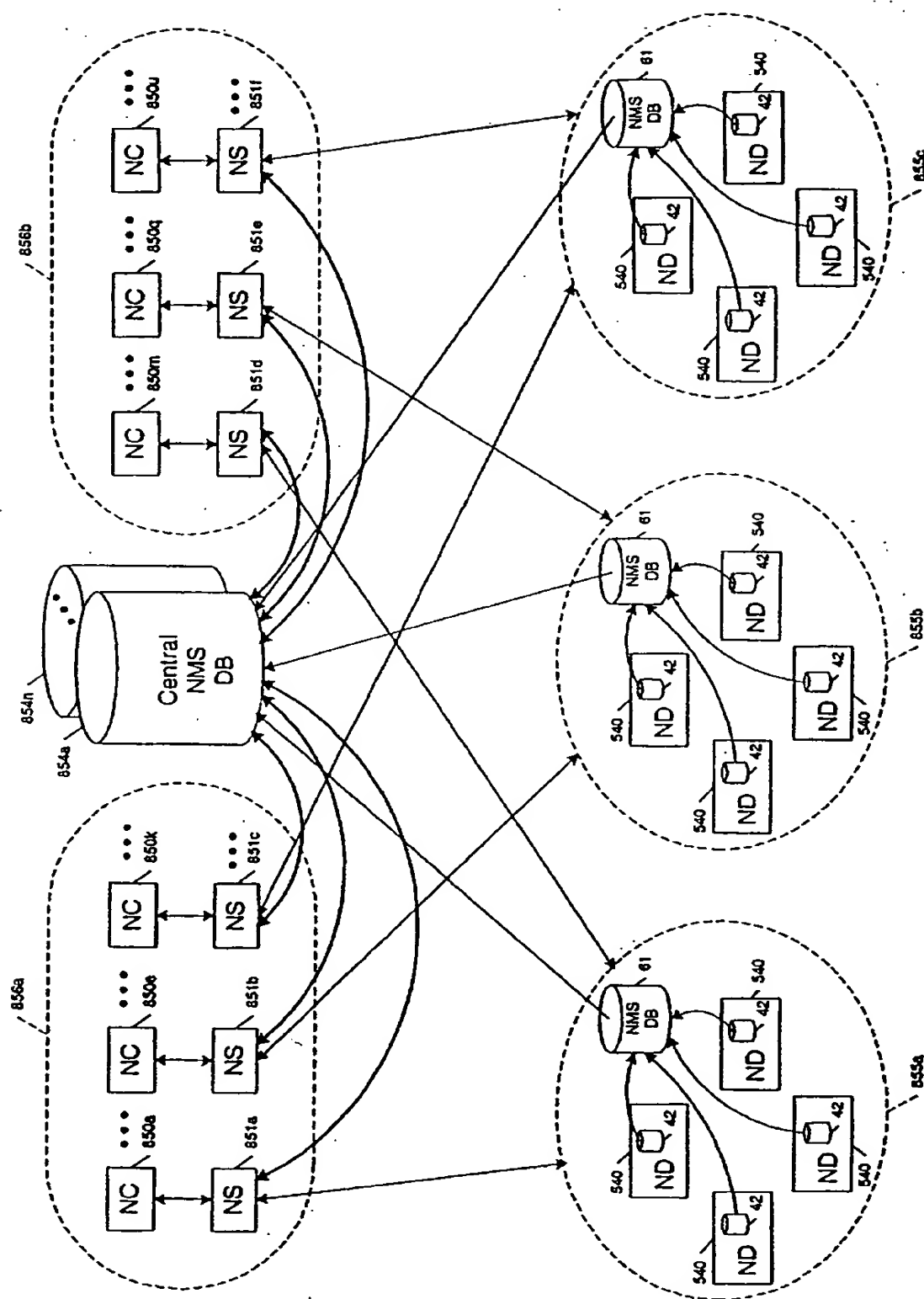


FIG. 3a

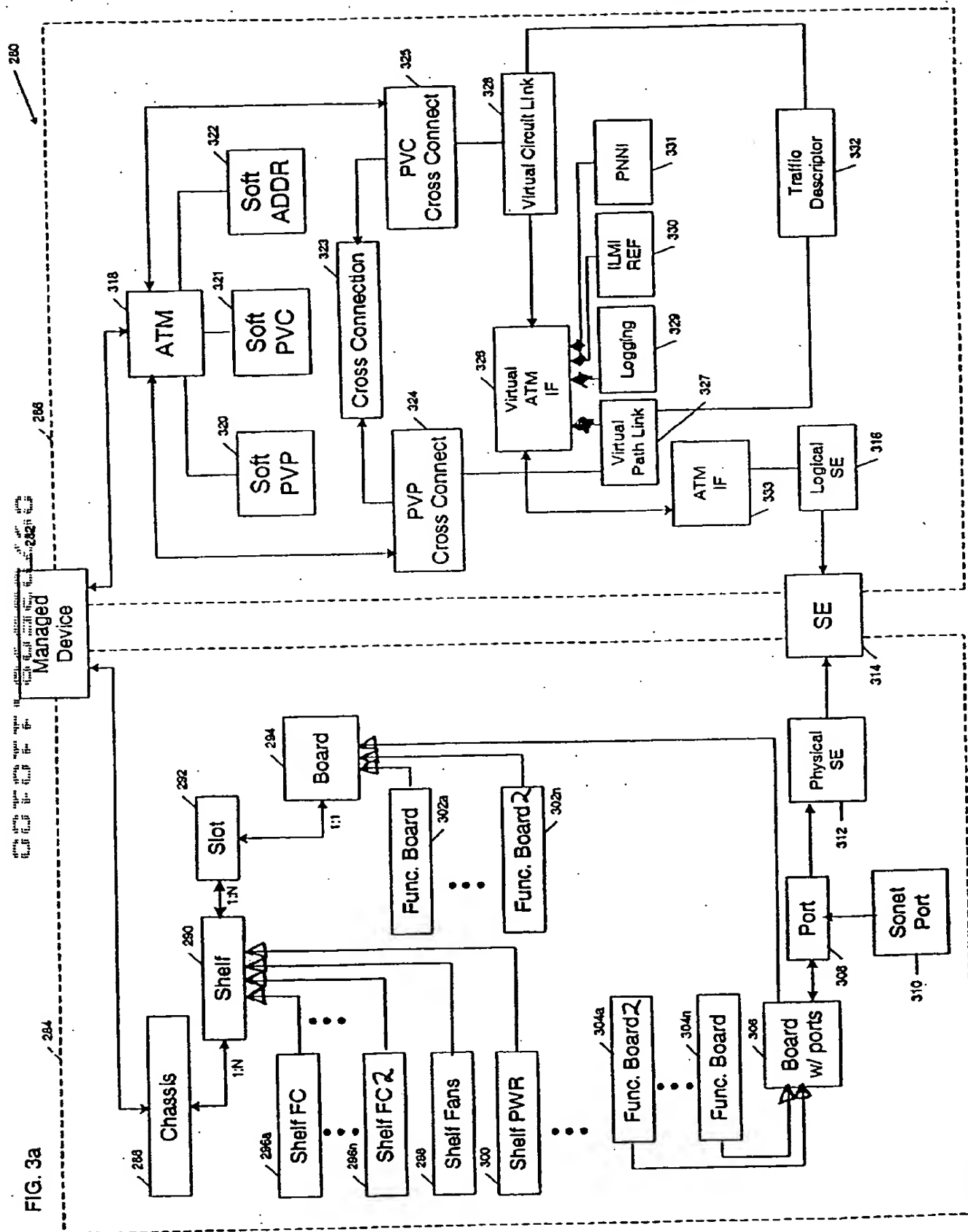
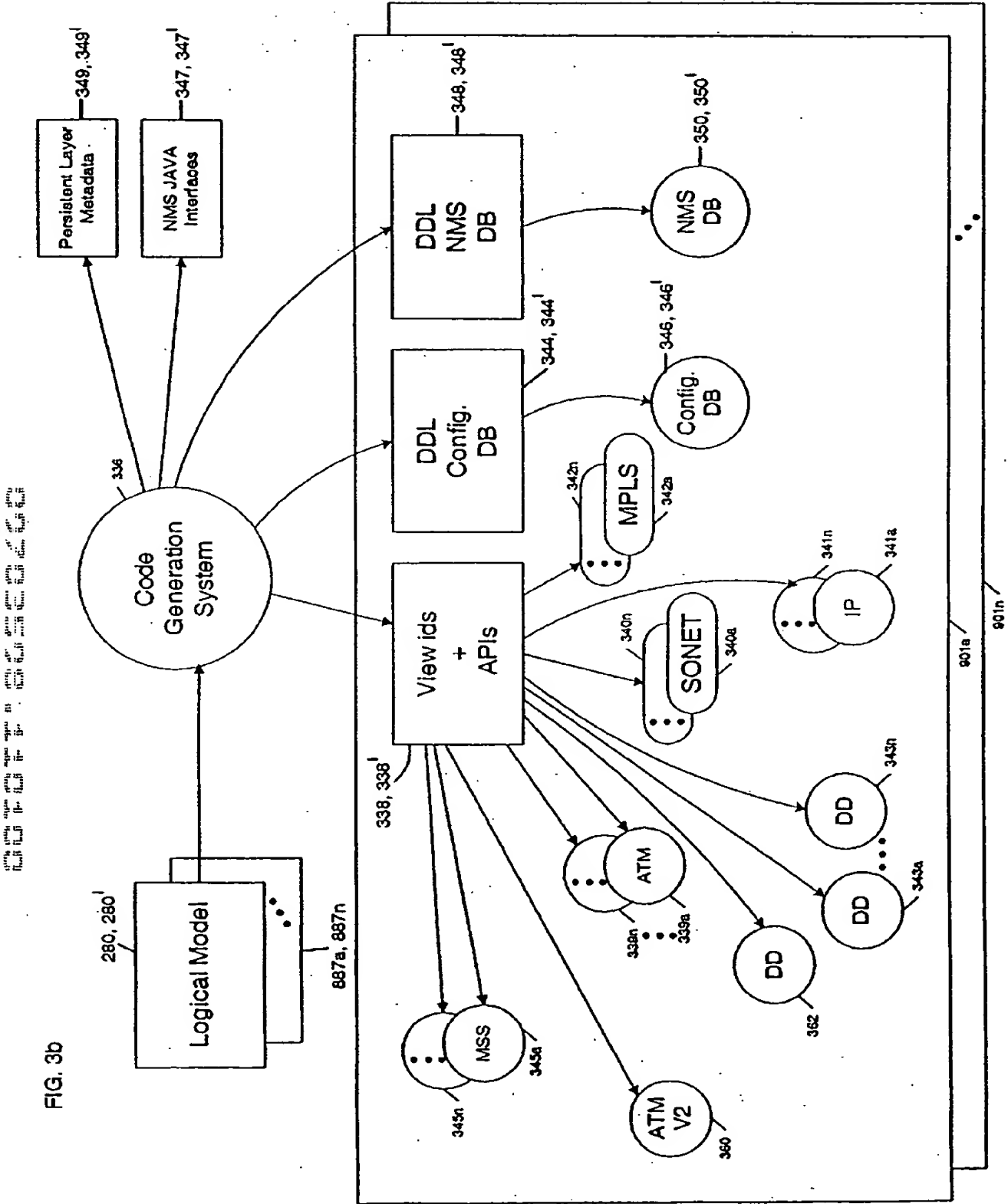


FIG. 3b



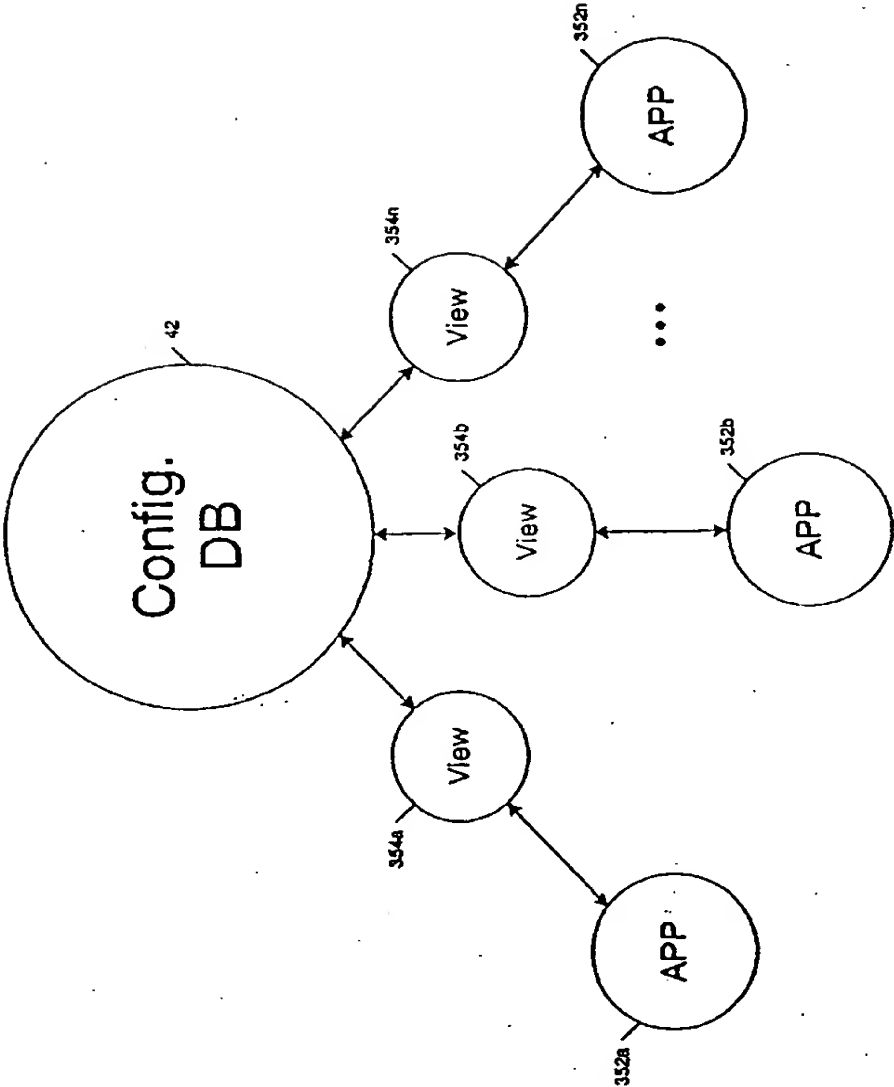
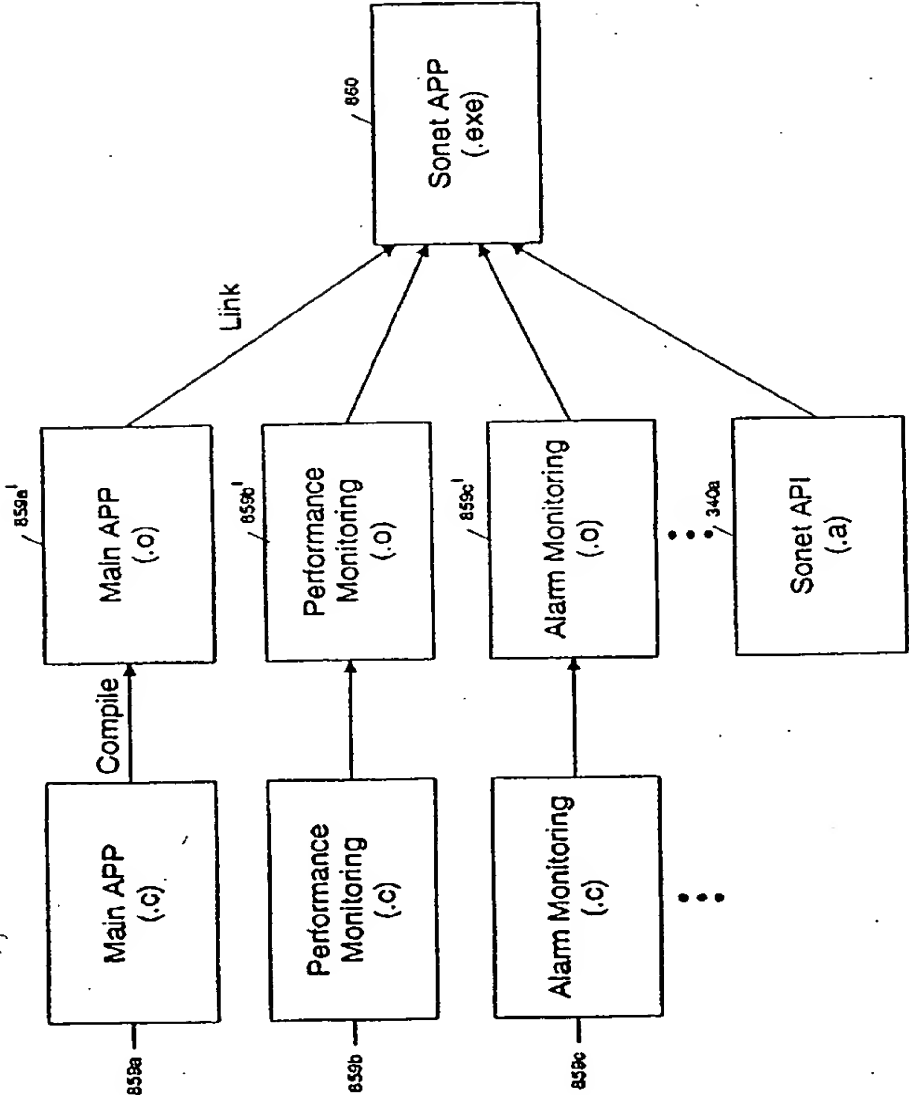


FIG. 3c

Fig. 3d

Build SONET Application



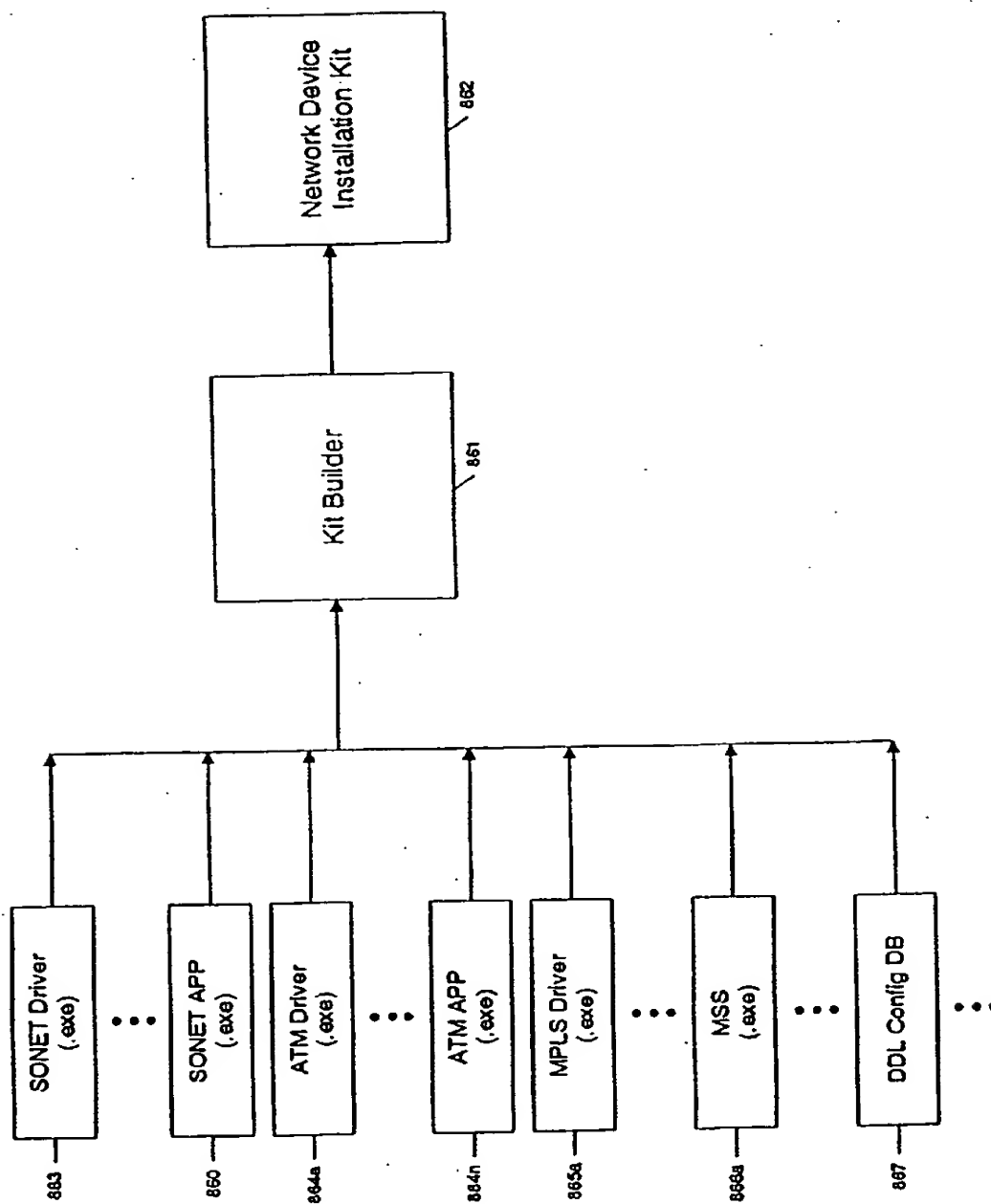


Fig. 3e

FIG. 3R

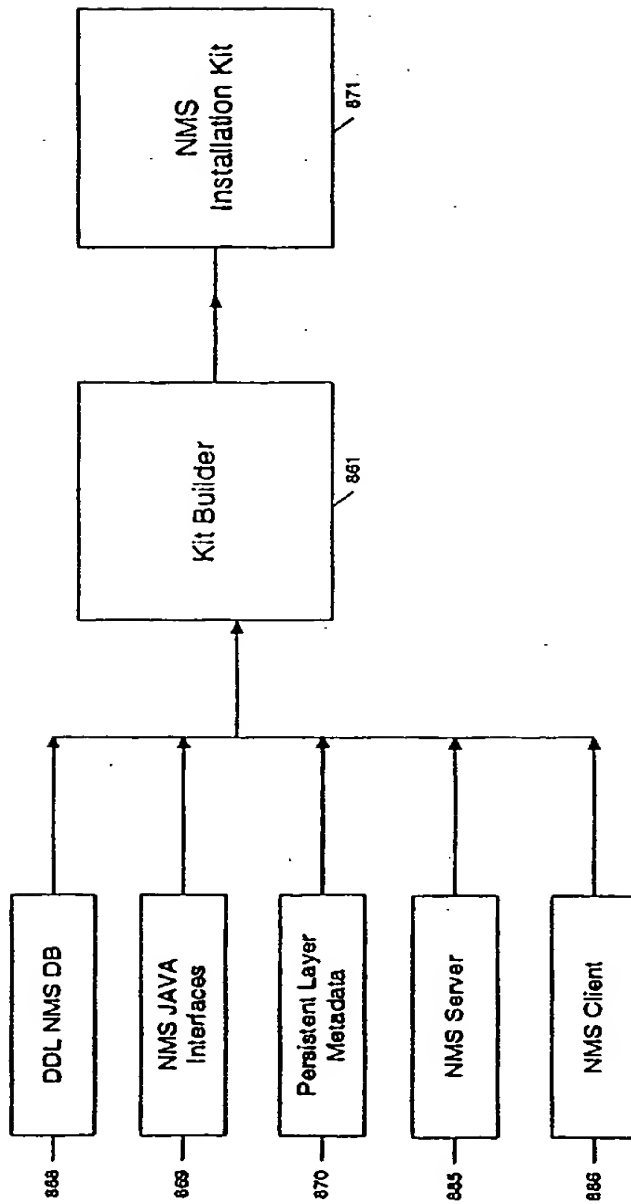


Fig. 3R

Fig. 39

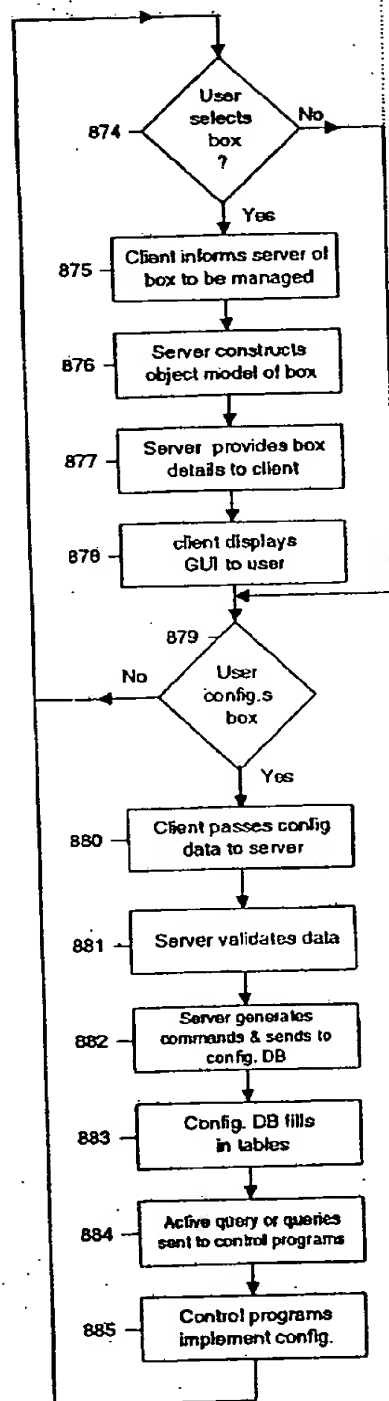
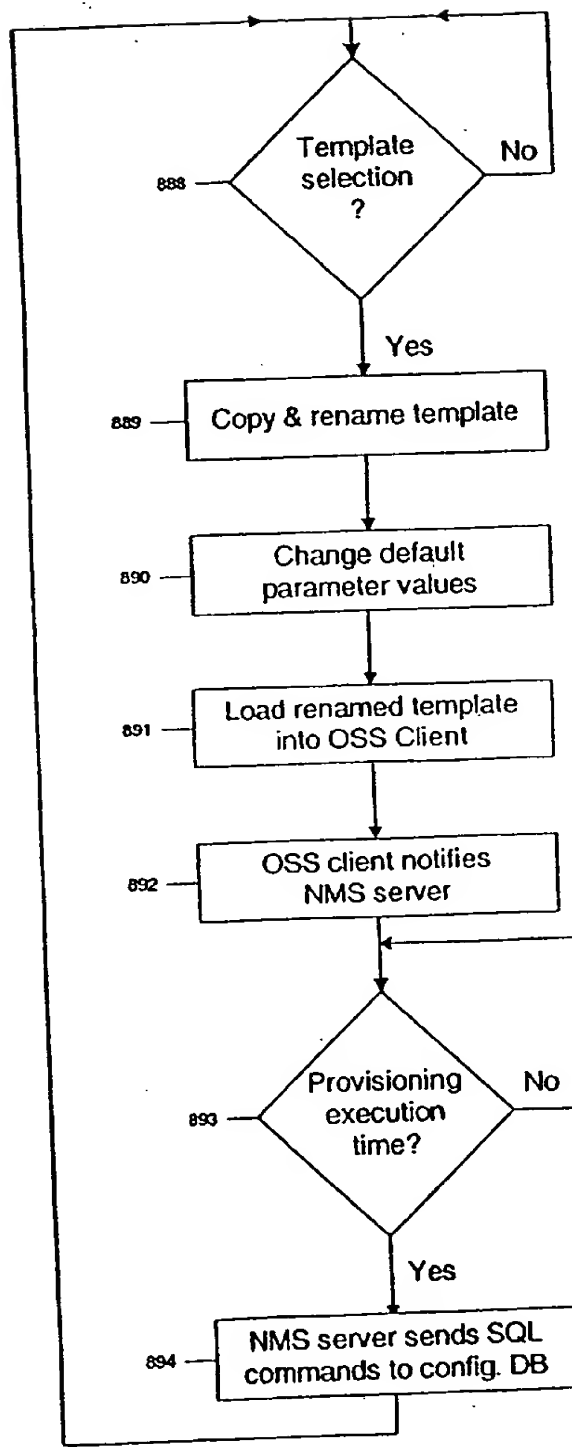


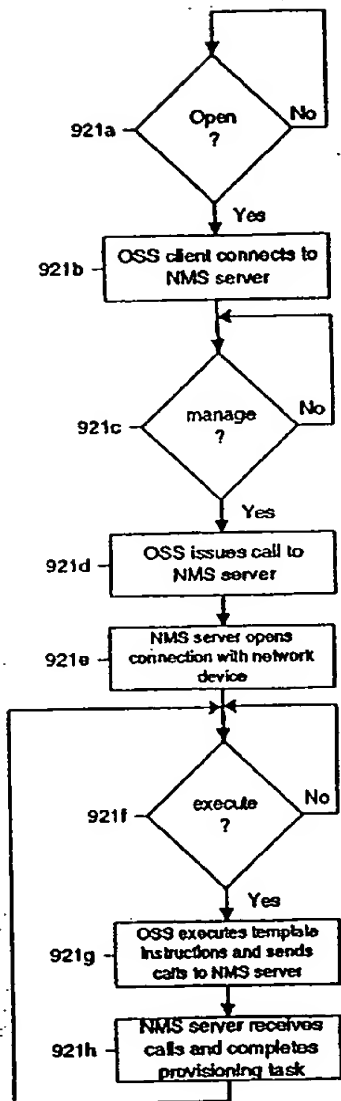
Fig. 3h



```
Command Prompt (2) - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli> help
Commands are:
bye
close
execute
help
load
manage
open
quit
showCurrent
showTemplate
set
status
writeCurrent
writeTemplate
Enetcli>
Enetcli>
Enetcli> showCurrent SPATH
ATMIfName=ATM11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator=Create
PortID=1
Position=1
Service=AIM
ShelfID=11
SlotID=1
Type=Terminated
Version=01_1_0_0
Width=STS3
Enetcli>
Enetcli>
Enetcli>
Enetcli> showTemplate SPATH
ATMIfName=<String>[TerminatedOnly]
Concatenated=<true|false>
Name=<String>
Operant=SPATH
Operator=<Create|Replace|Update|Delete>
PortID=<Integer><1-16>
Position=<Integer>
Service=<None|AIM>
ShelfID=<11|top|13|bottom>
SlotID=<Integer><1-8>
Type=<Switched|Terminated>
Version=01_1_0_0
Width=<STS1|STS3|STS12|STS48>
Enetcli>
Enetcli>
Enetcli> status
Not currently connected to server
Supporting templates: CONTROL, PUC, SPATH, SPUC, ID, and UAIF
Enetcli>
```

Fig.3i

Fig. 3j



19.3K

```
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli> showCurrent CONTROL
Input=Q:\nns\con\equipecon\nns\utilc\enetcli
Interactive=false
Operant=CONTROL
Operator=Manage
Output=Q:\nns\con\equipecon\nns\utilc\enetcli
Password=None
System=192.168.9.202
User=None
Version=01_1_0_0
Server=localhost
Enetcli>
```

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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

Fig. 3L

← 924 BATCH

Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a-Task1=execute-SPATH

9246 --Task2=execute-PVC

924c—Task3=execute-SPVC

924d-Task4=load-SPVC-spvc1

924e--Task5=execute-SPVC

9248 —Task6=load-SPVC-spvc2

974c-Task7=exccute-SPVC

924g - Task50=sct-SPATH-PortID-3

9244 —Task51=execute-SPATH

924i—Task52=set-SPATH-SlotID-2

924) -Task53=executc-SPATH

[illegible]

Fig. 3M

← 925

Operant=BATCH

Operator=Execute

- Version=VI_1_0_0

925a - Task1=execute-CONTROL

925b - Task2=execute-SPATH

925c - Task3=set-SPATH-PortID-3

925d - Task4=execute-SPATH

925e - Task61=set-CONTROL-System-192.168.9.201

925f - Task62=execute-CONTROL

925g - Task63=execute-SPATH

925h - Task108=close

925i - Task109=set-CONTROL-Server-Server1

925j - Task110=set-CONTROL-System-192.168.8.200

925k - Task111=execute-CONTROL

925l - Task112=execute-SPATH

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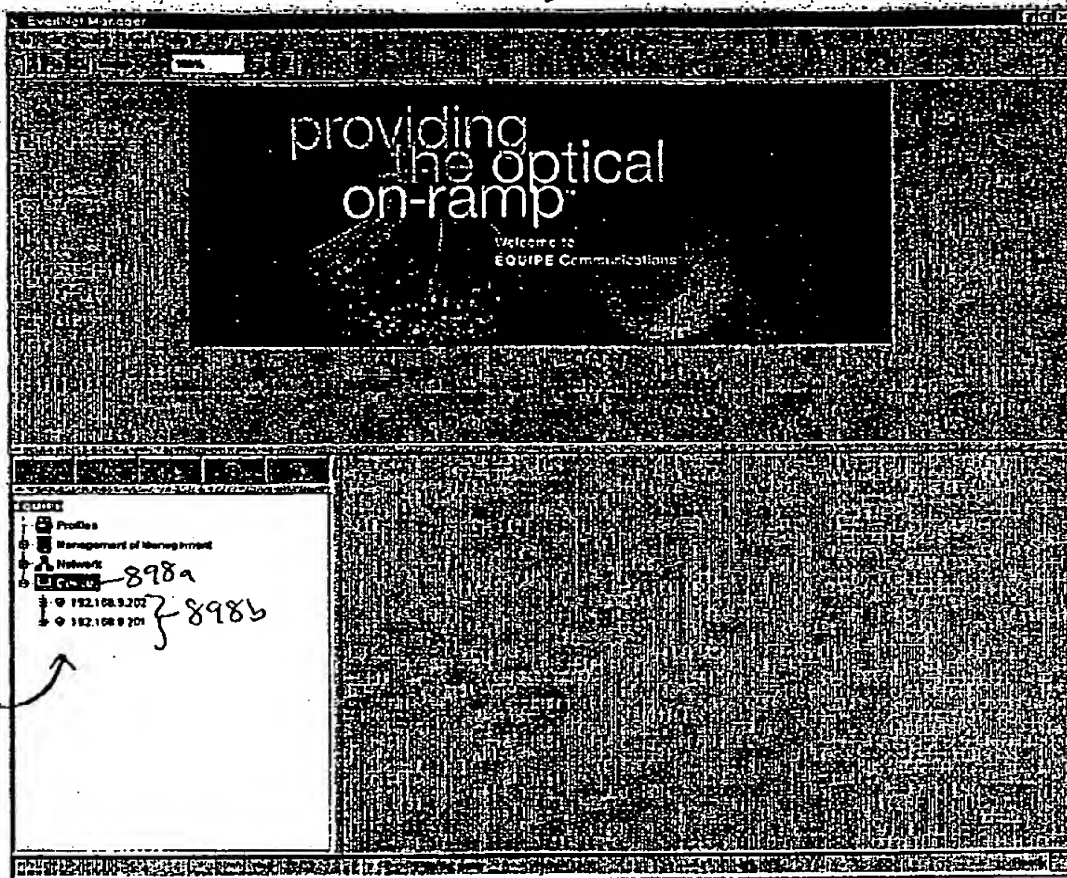


Fig. 4a

895

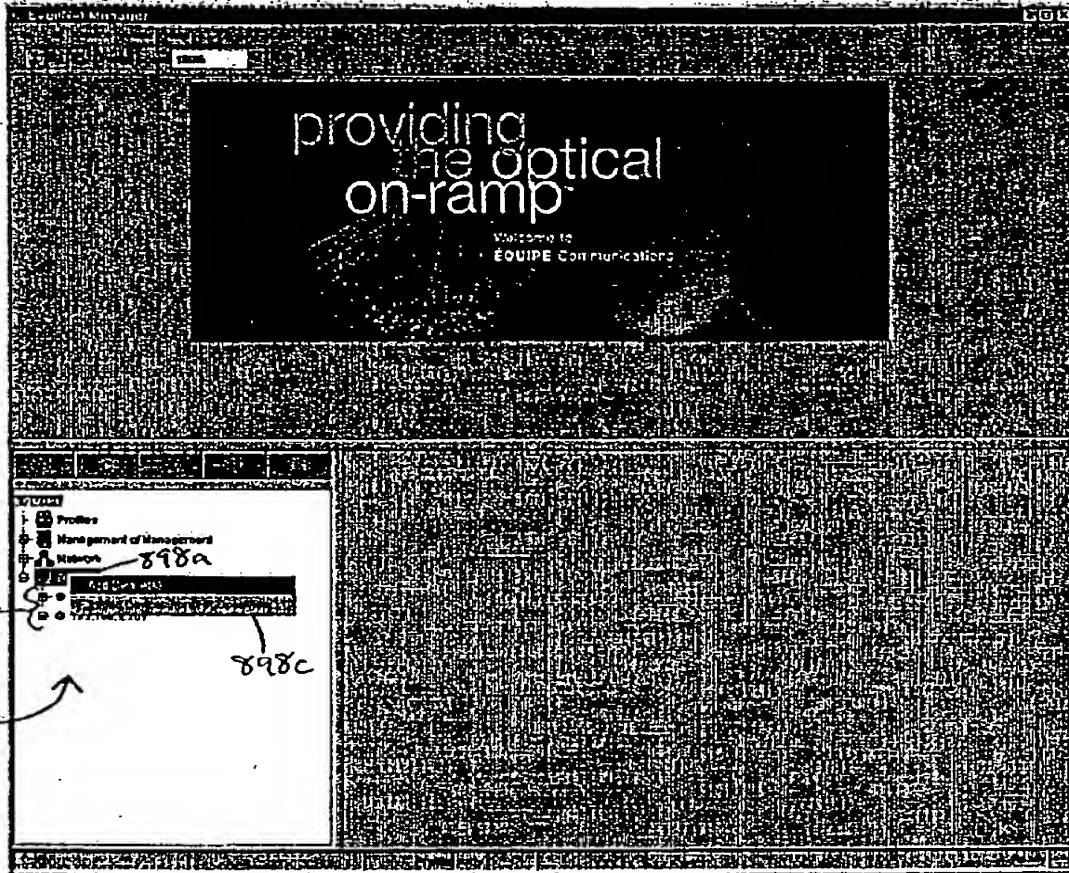
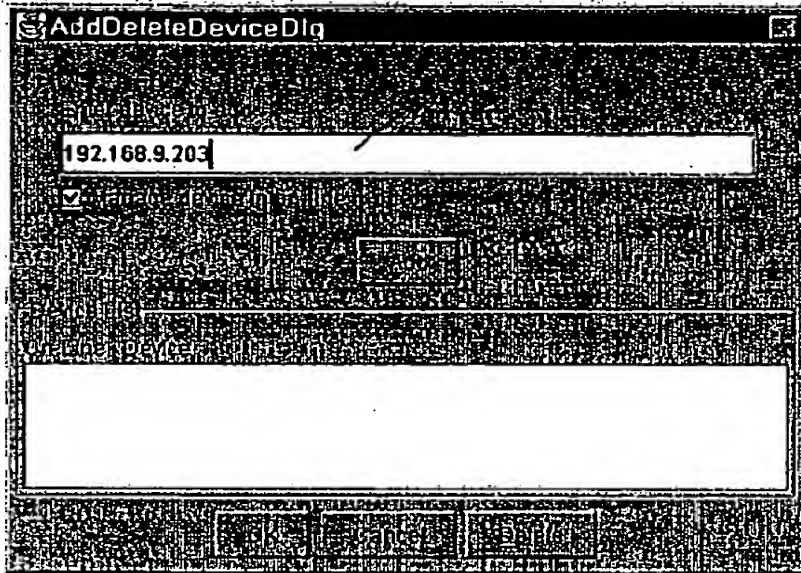


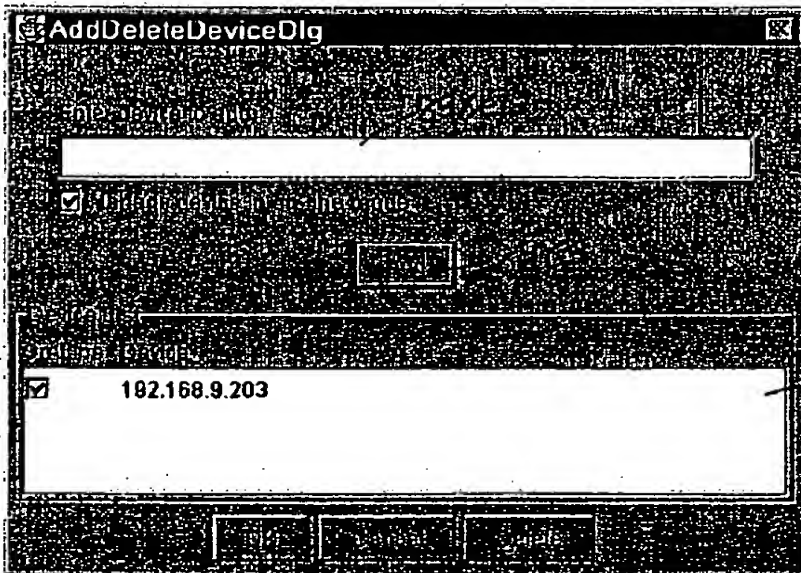
Fig. 4b

Fig. 4c



898d

Fig. 4d



898d

898g

898j

898i

898h

895

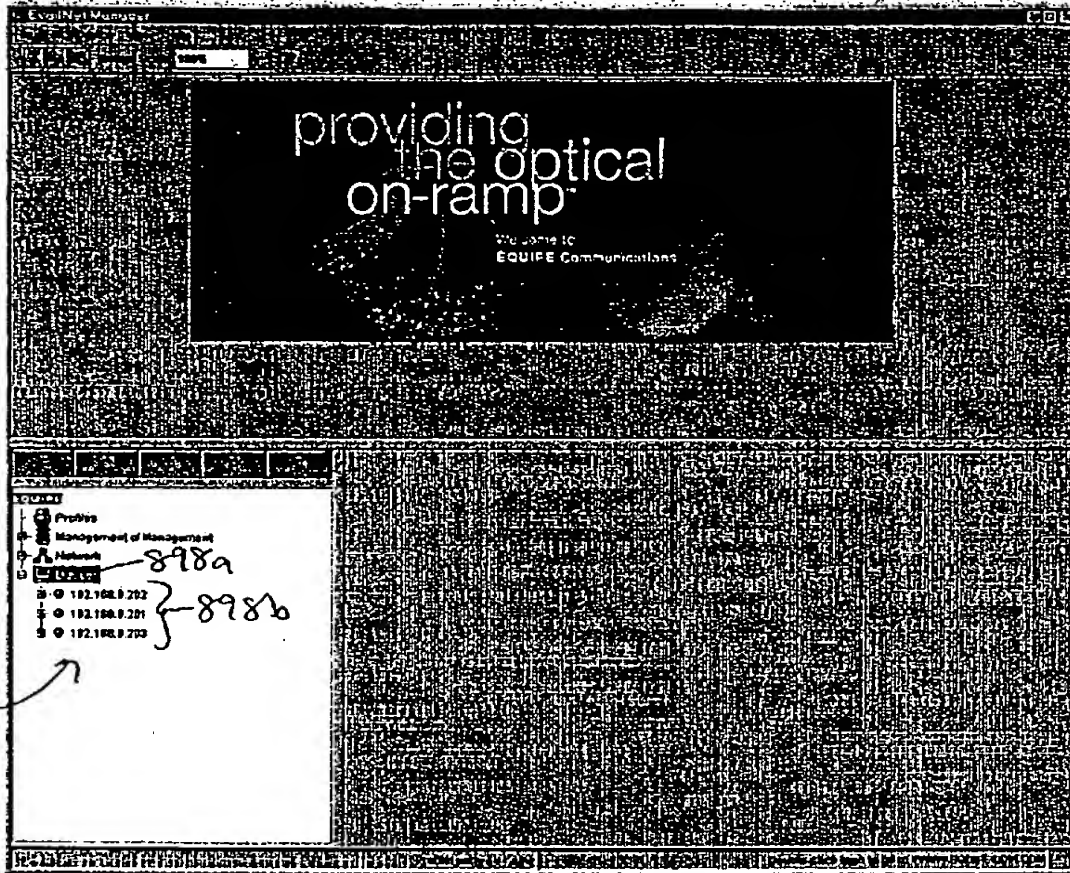


Fig. 4e

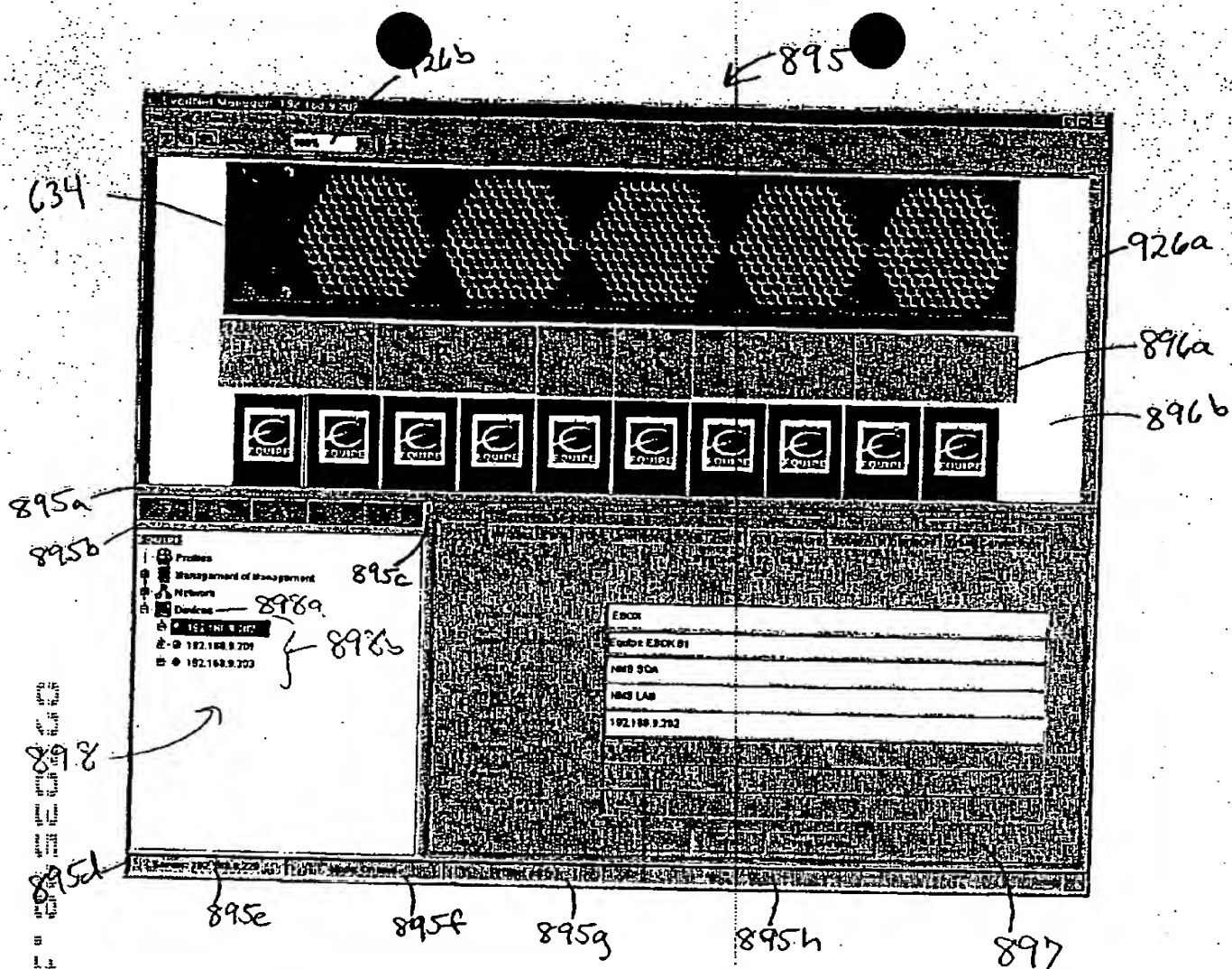


Fig. 4f

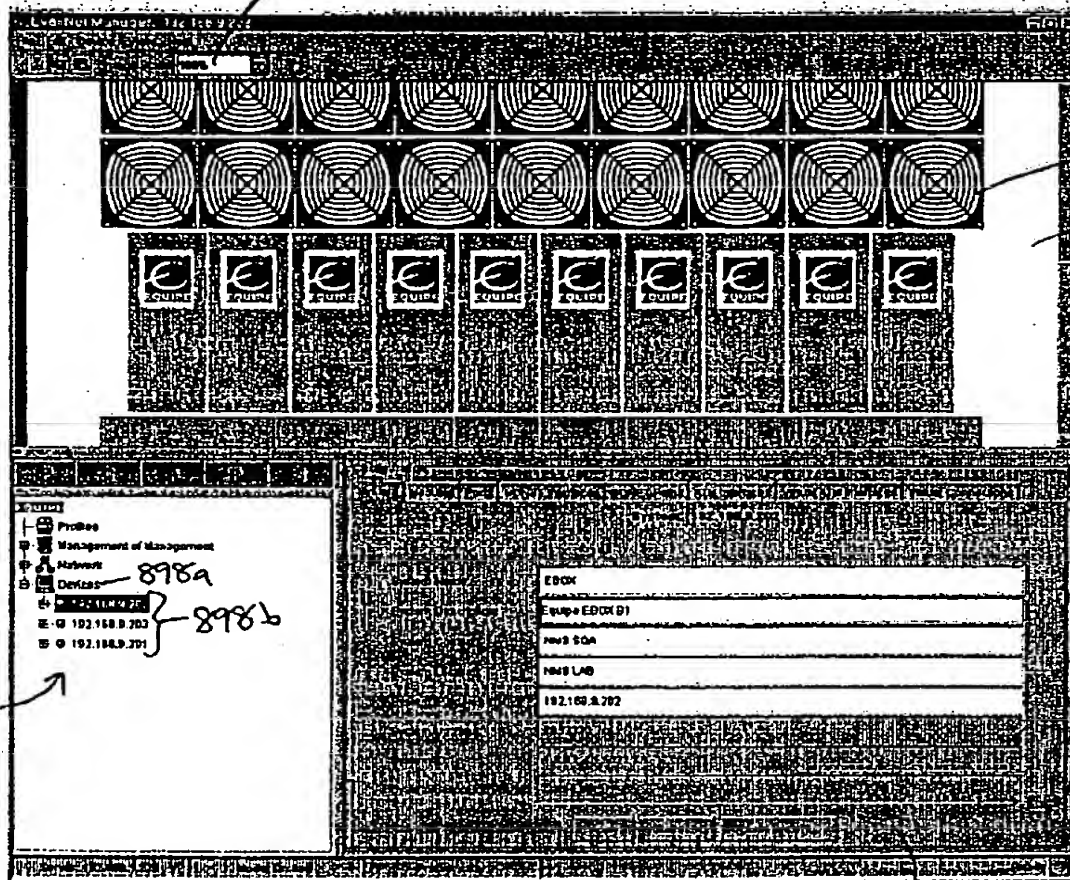


Fig. 4g

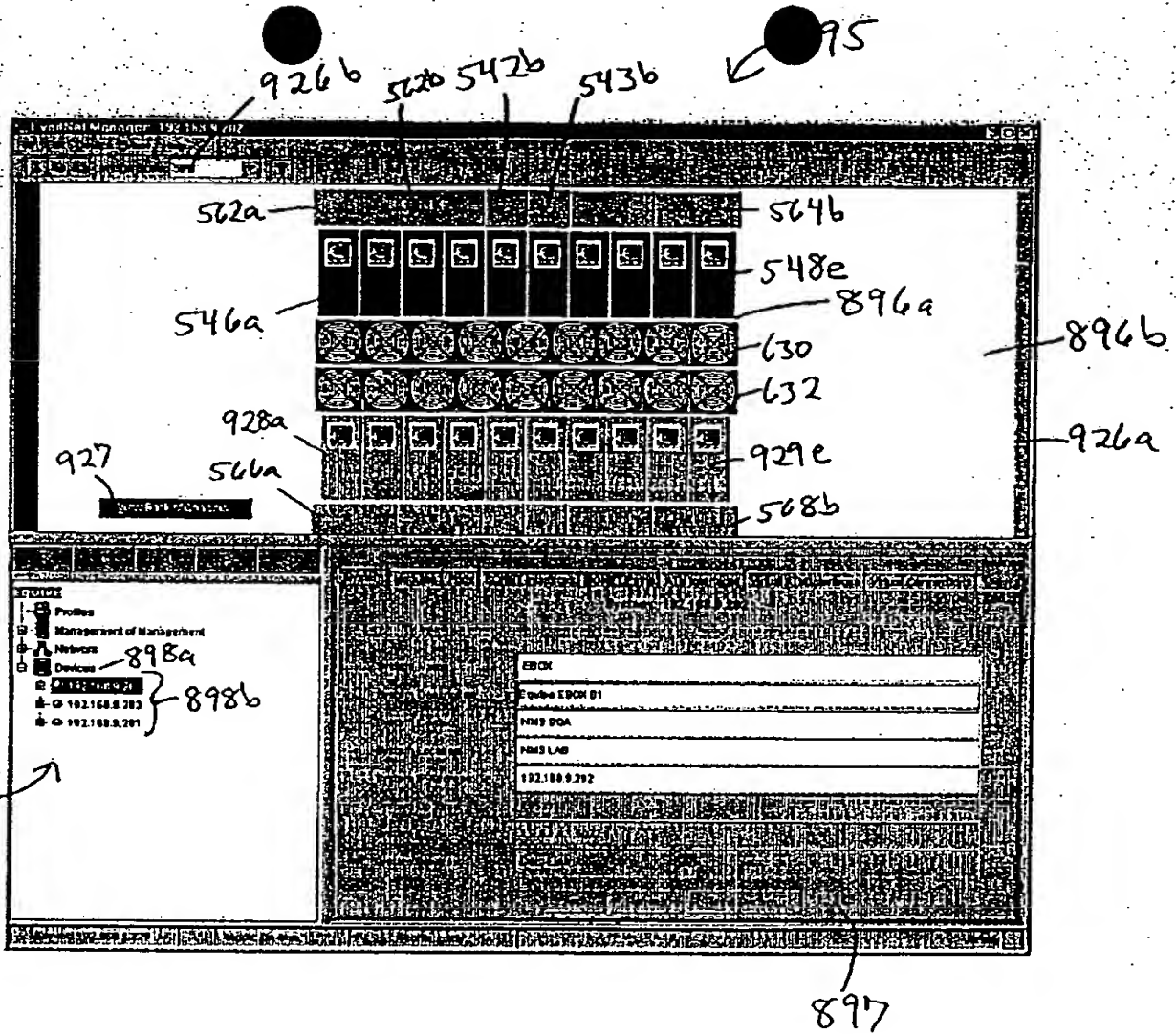


Fig. 4h

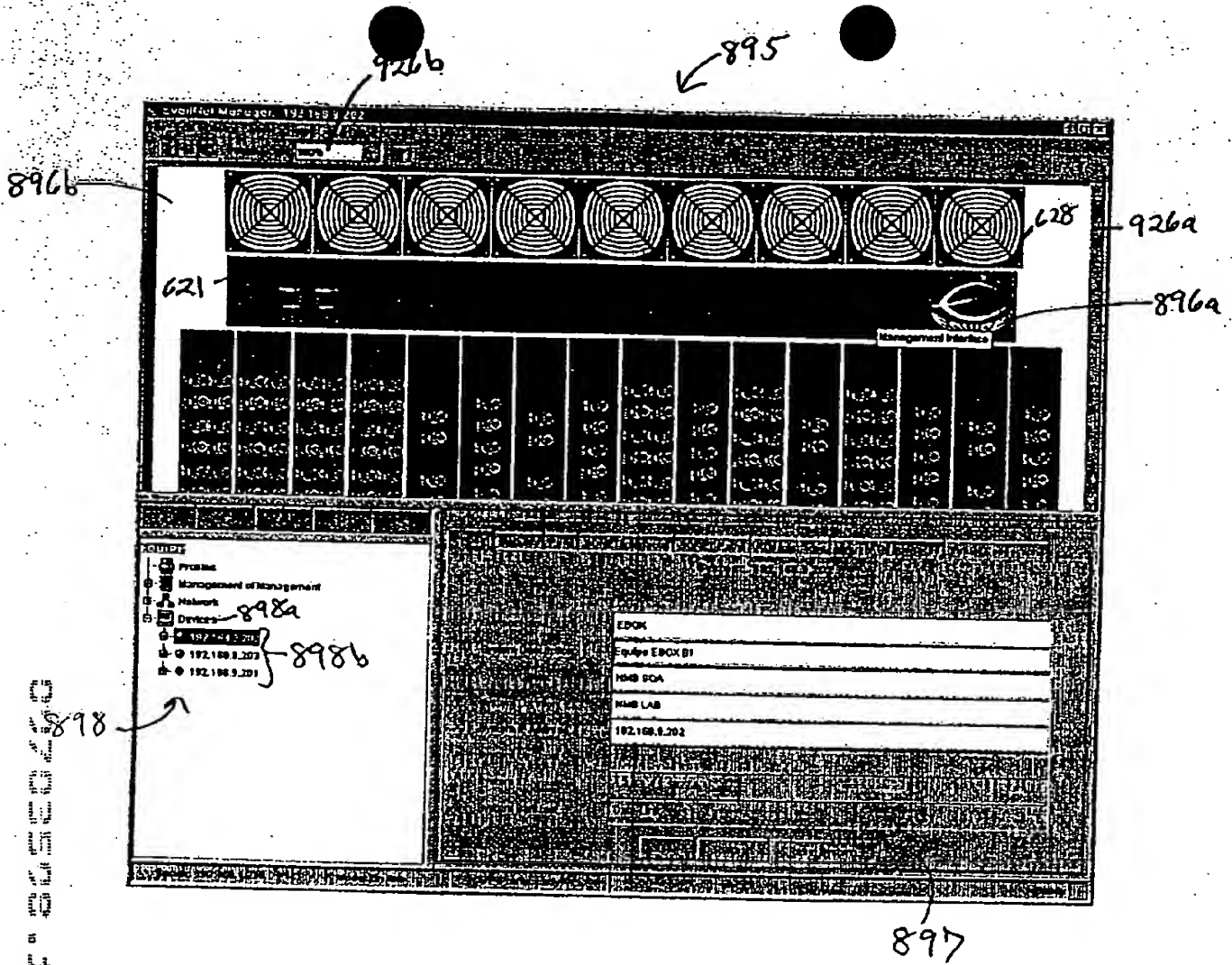


Fig. 4i

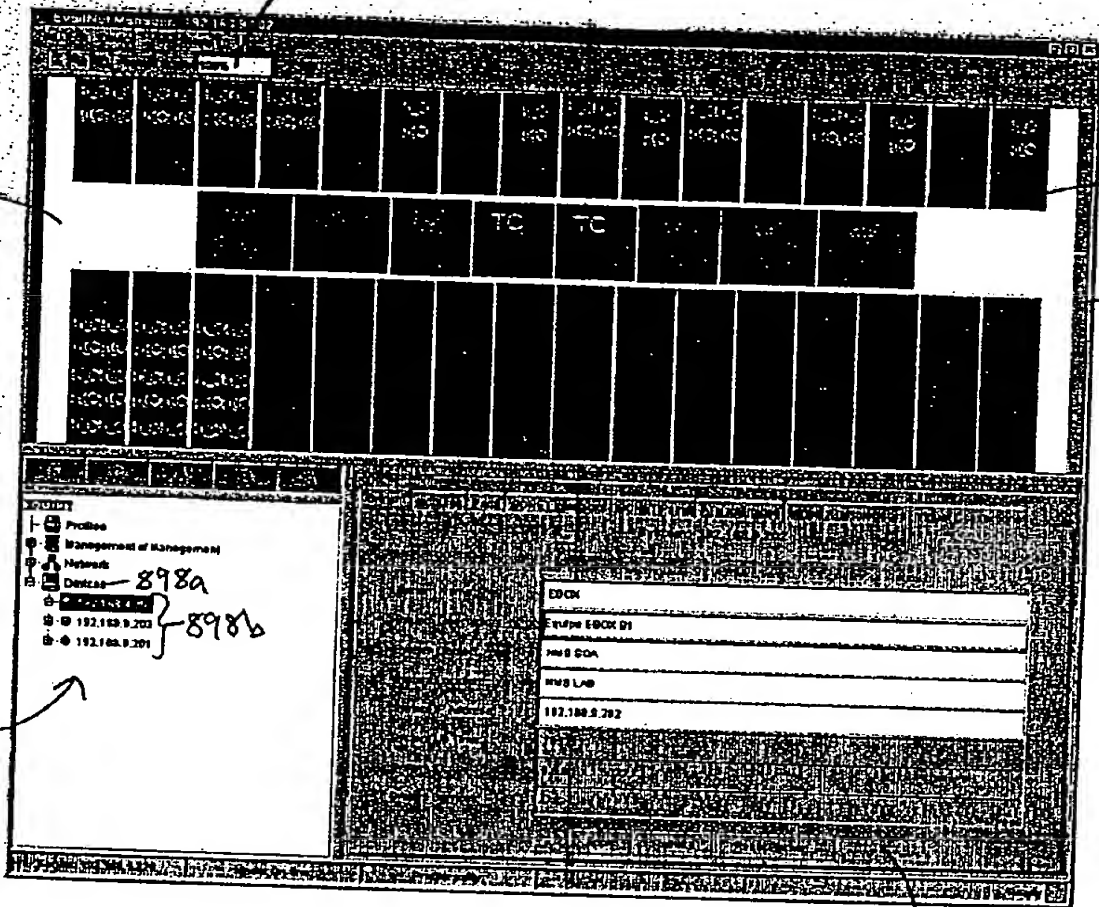


Fig. 4j

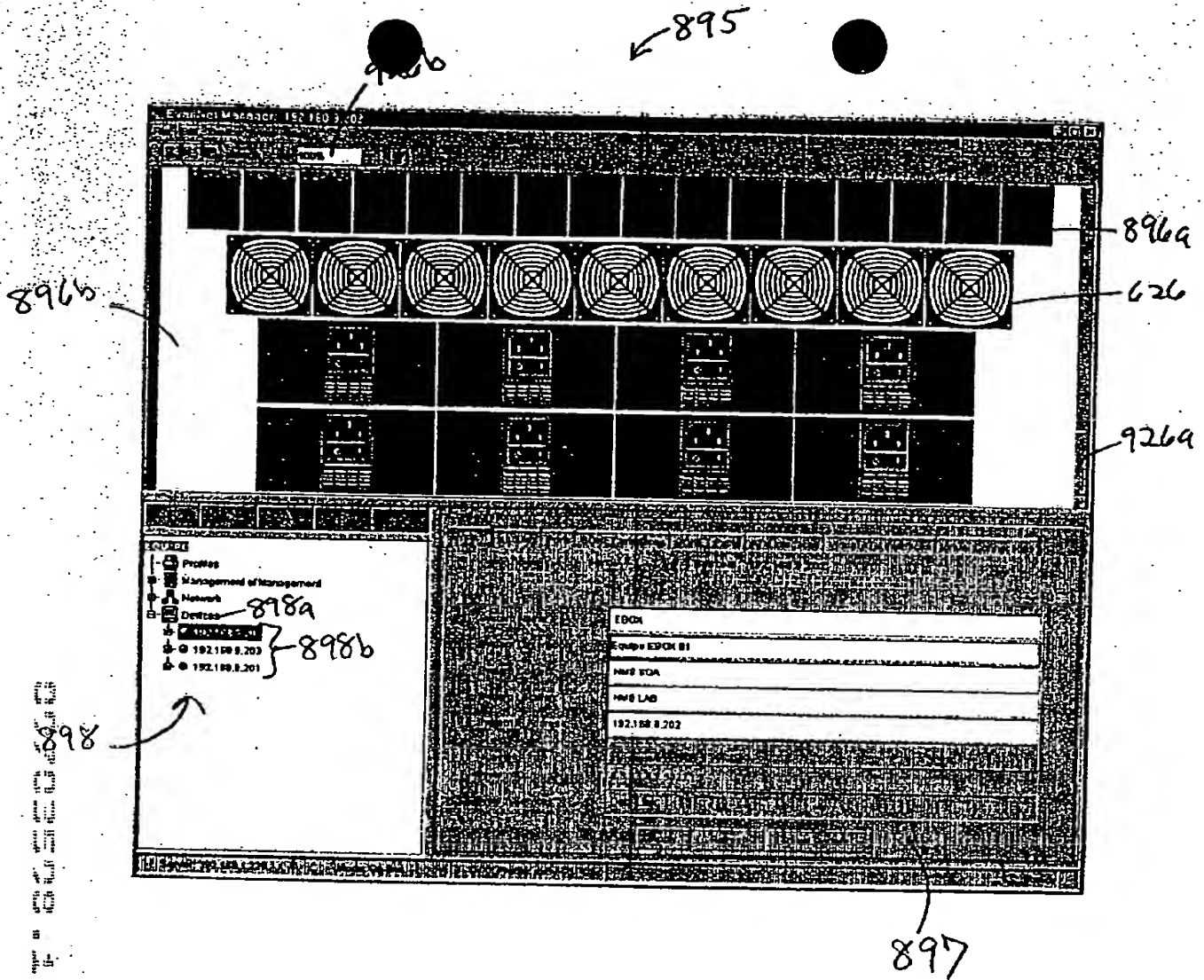


Fig. 4K

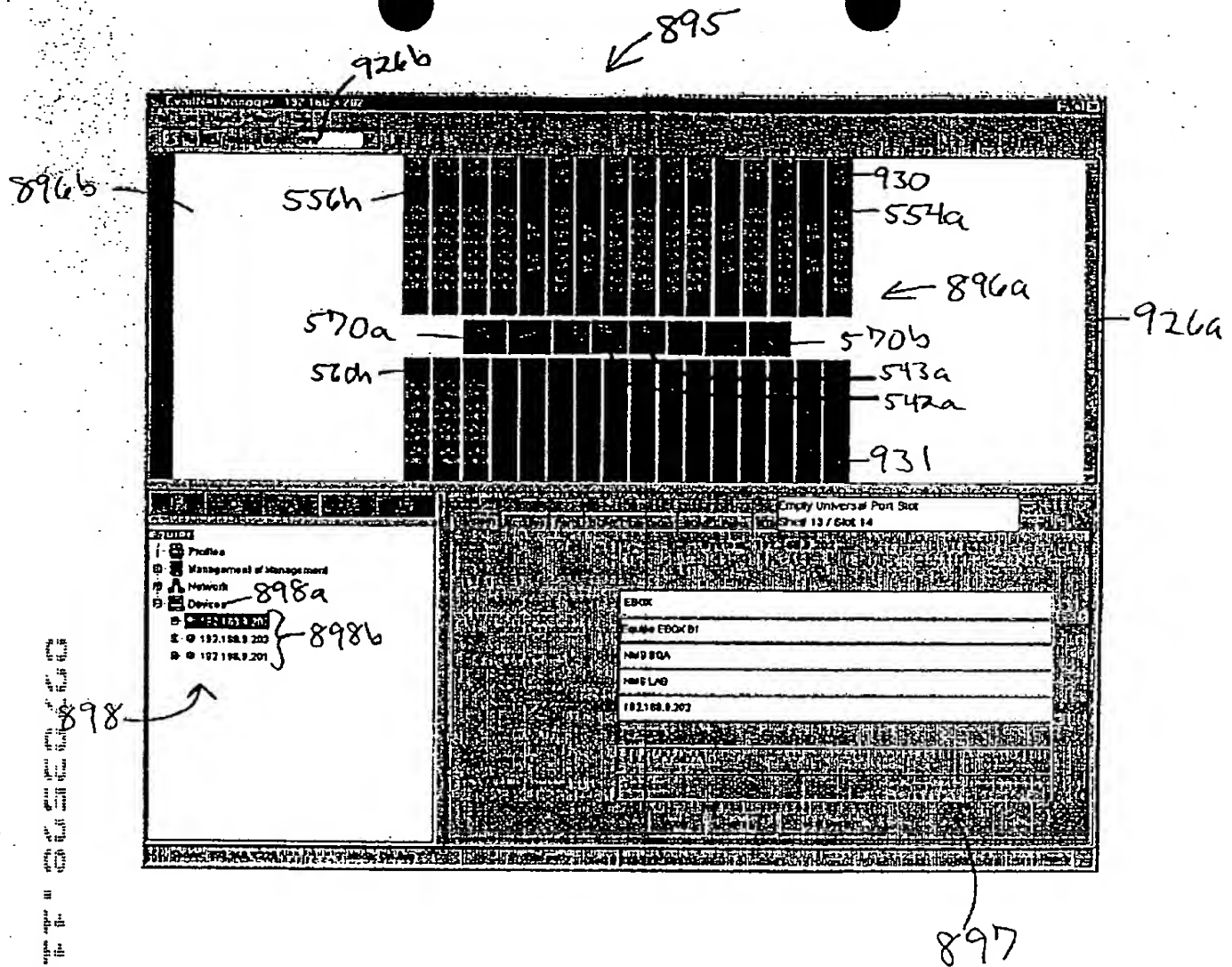


Fig. 41

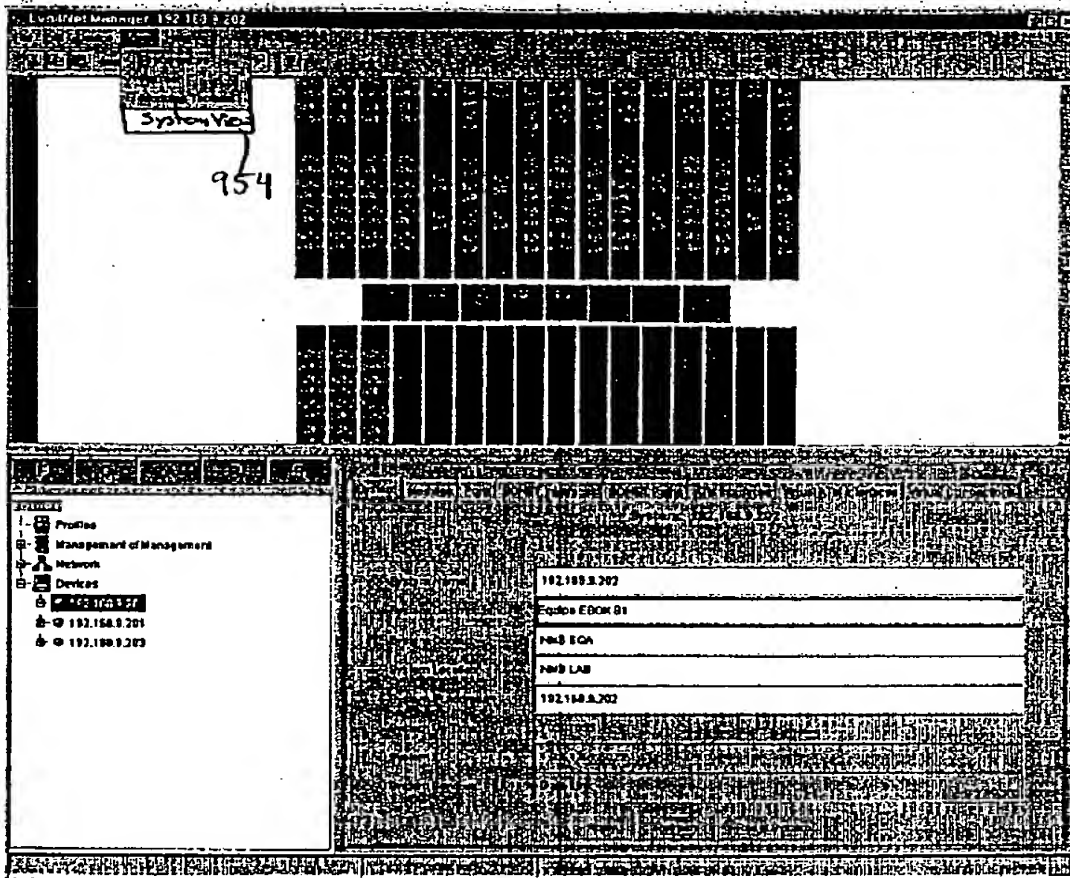
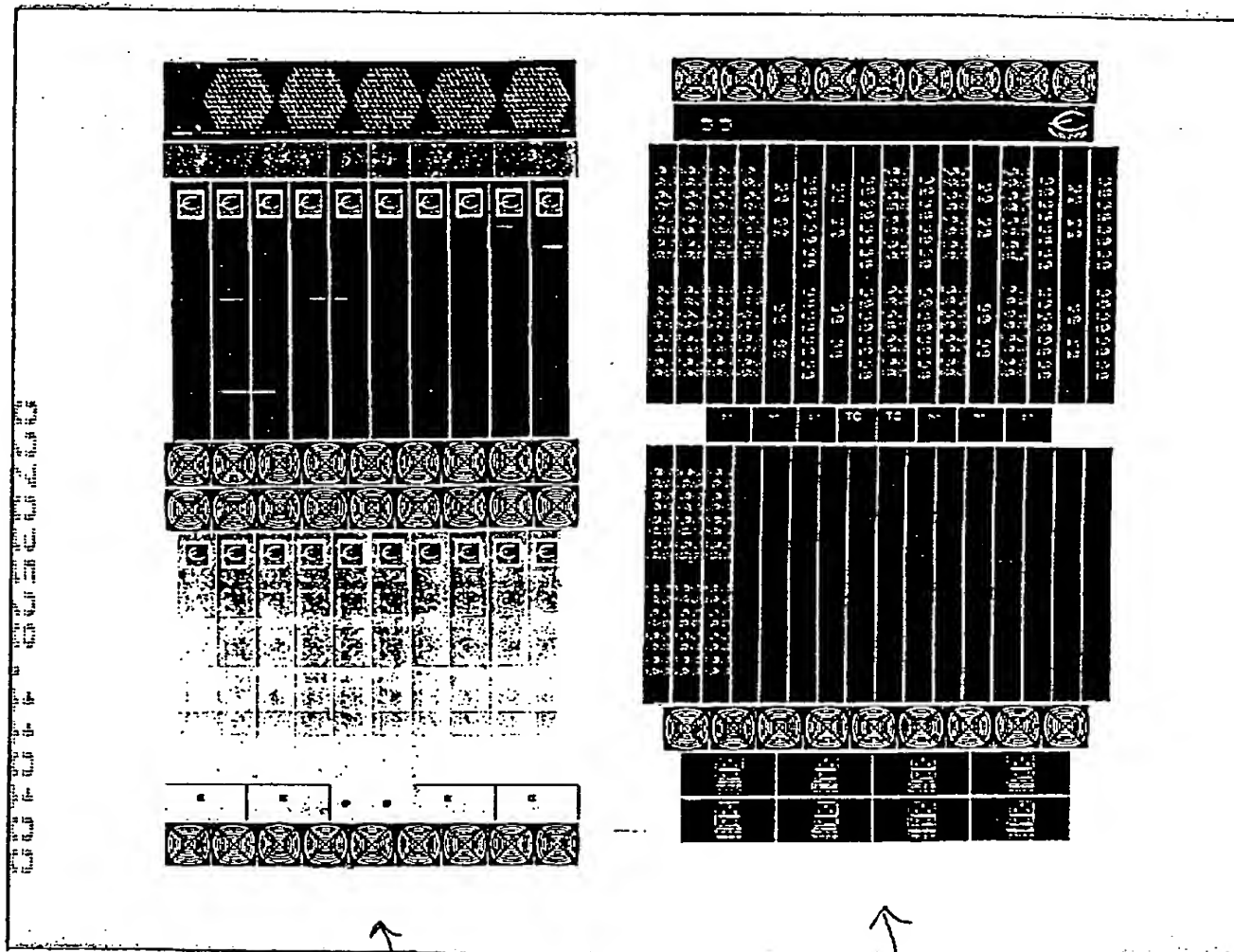


Fig. 4m

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955a

955b

Fig. 4n

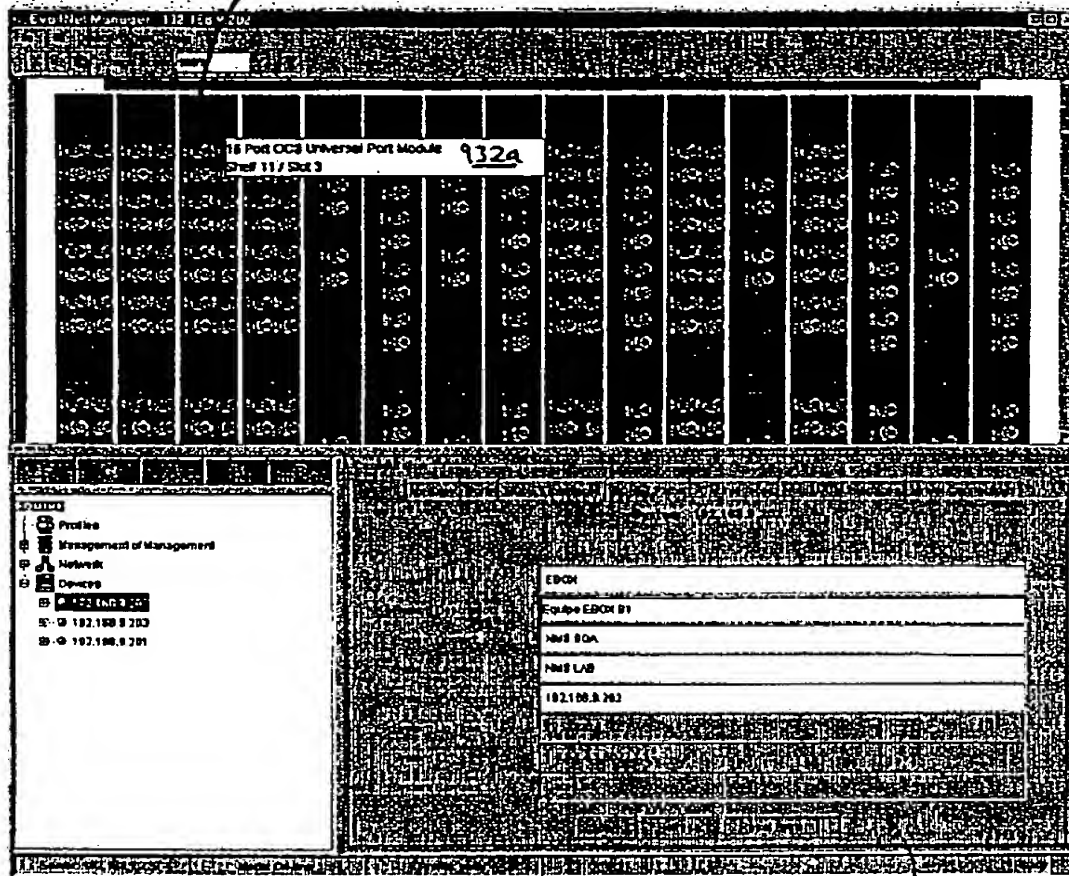


Fig. 40

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

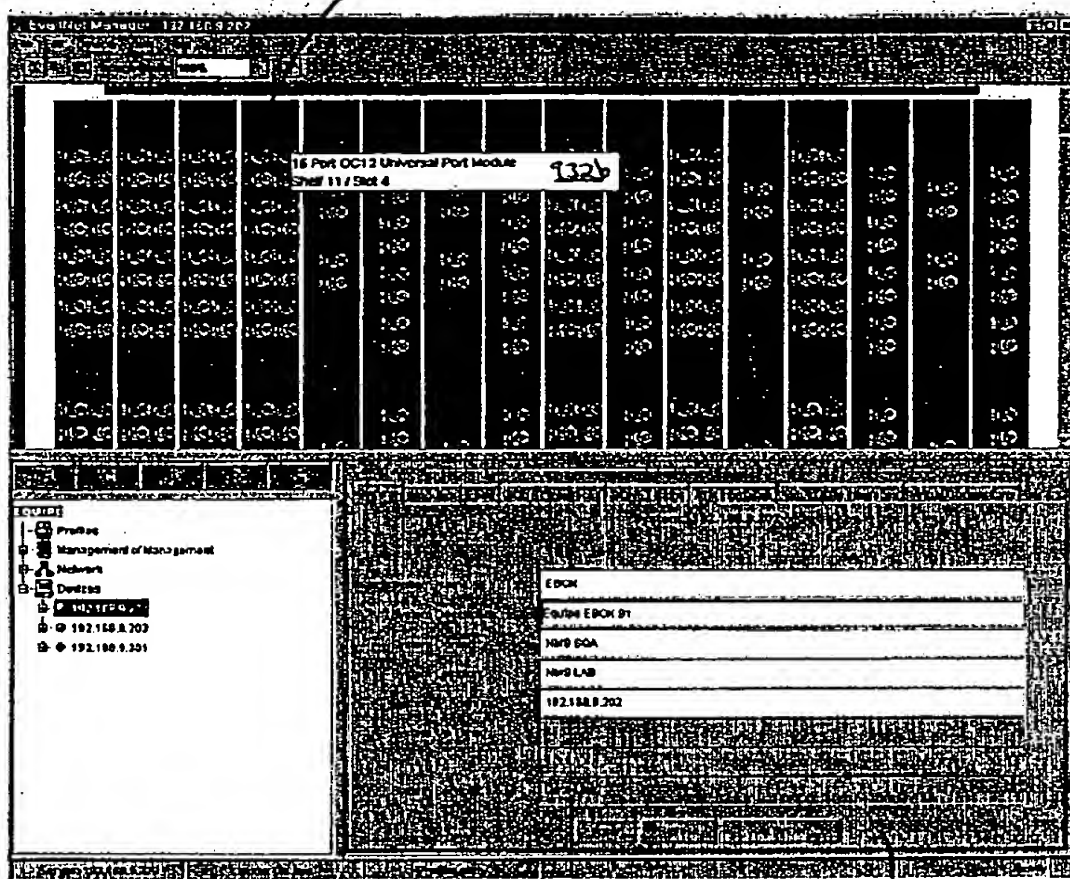


Fig. 4p

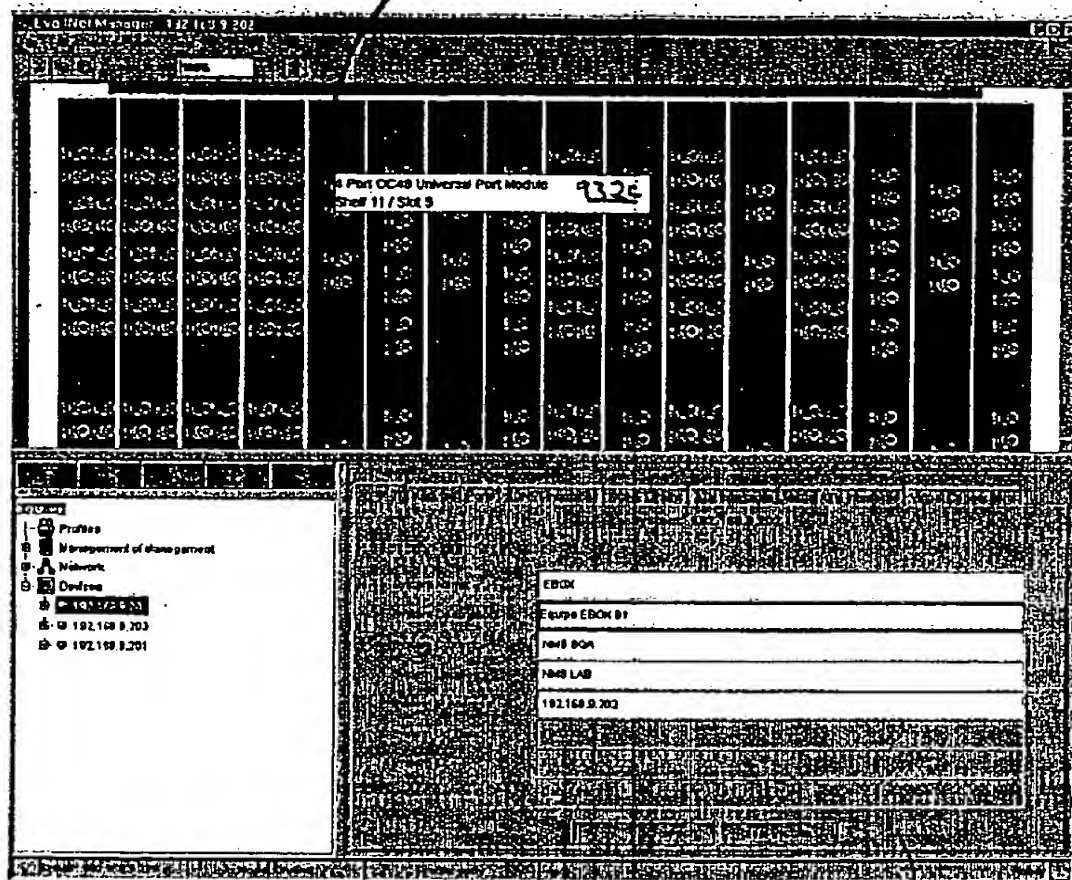


Fig. 4g

897

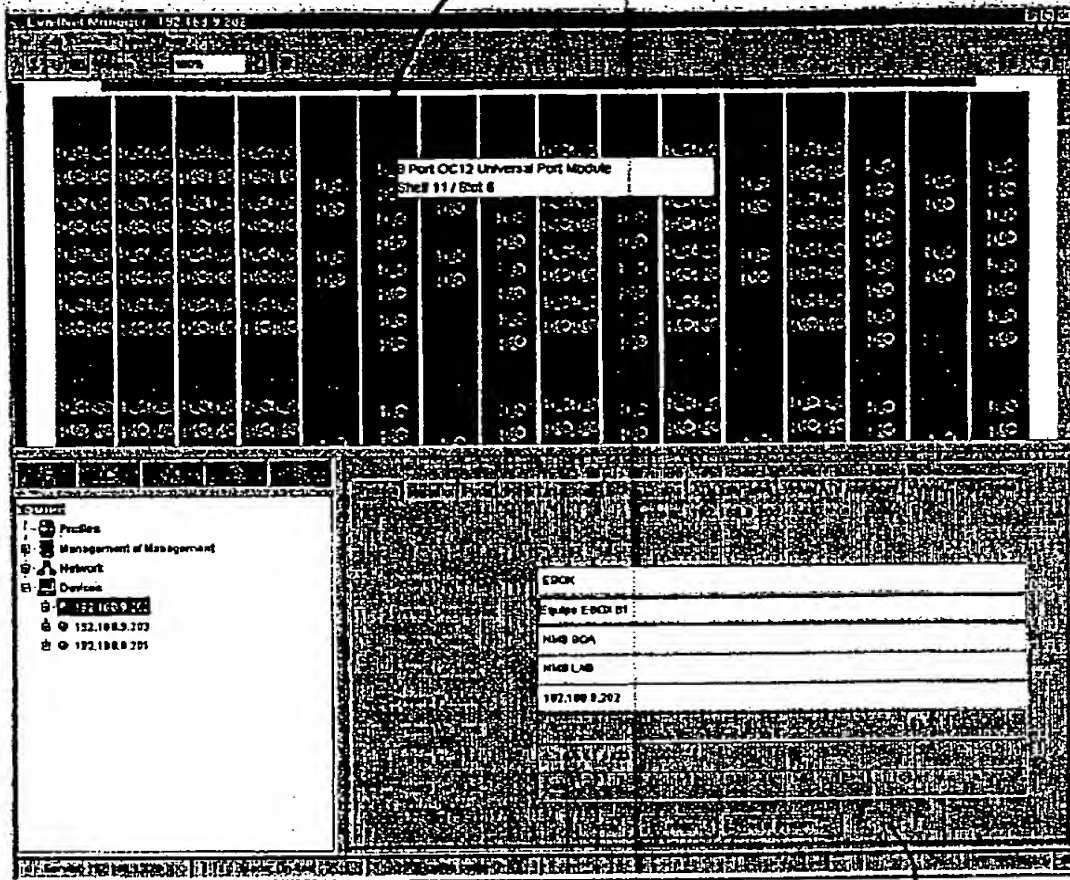


Fig. 4r

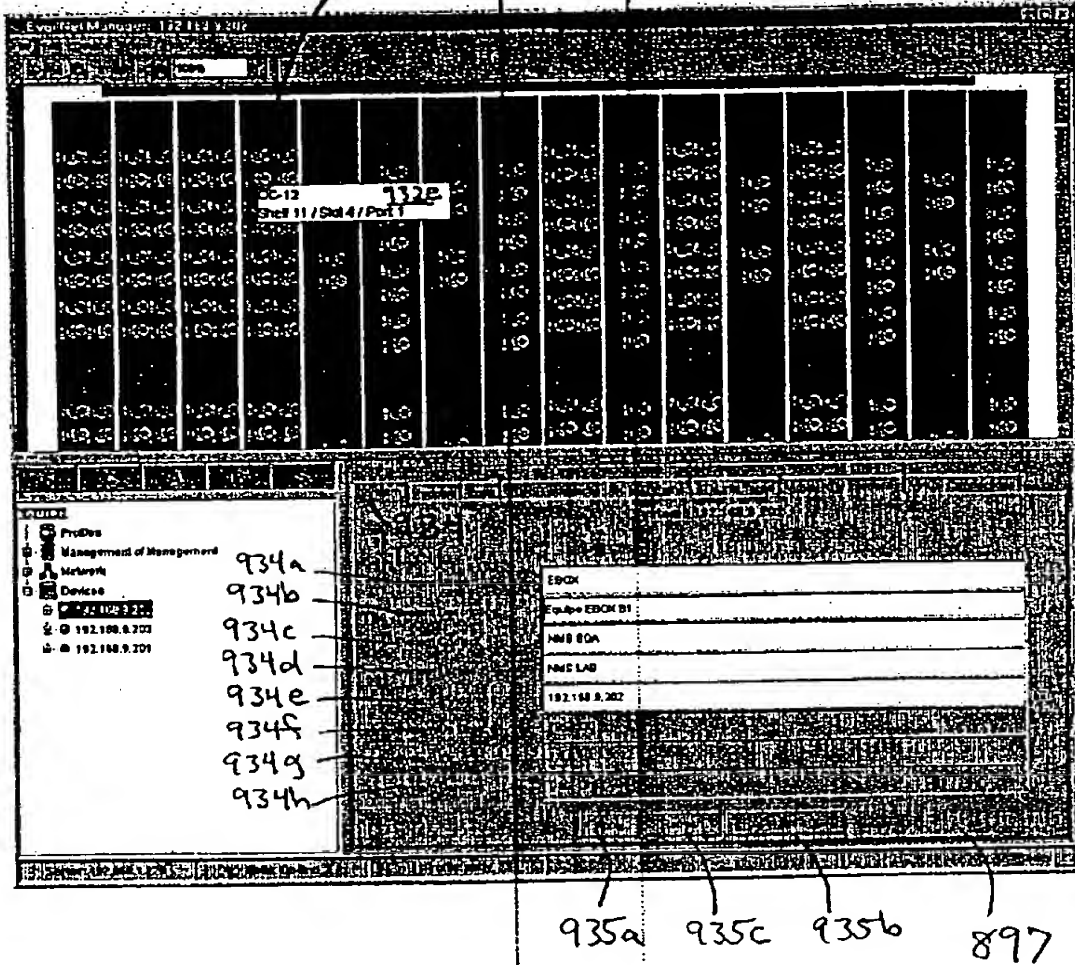
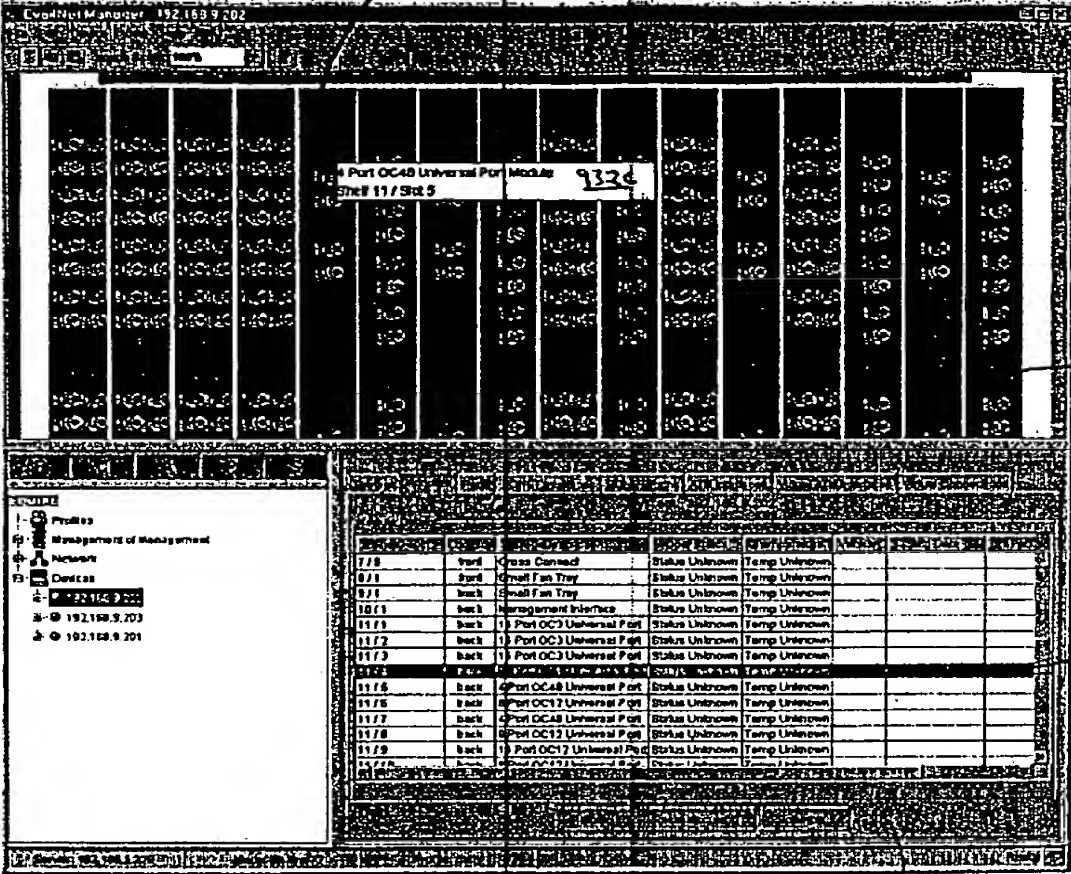
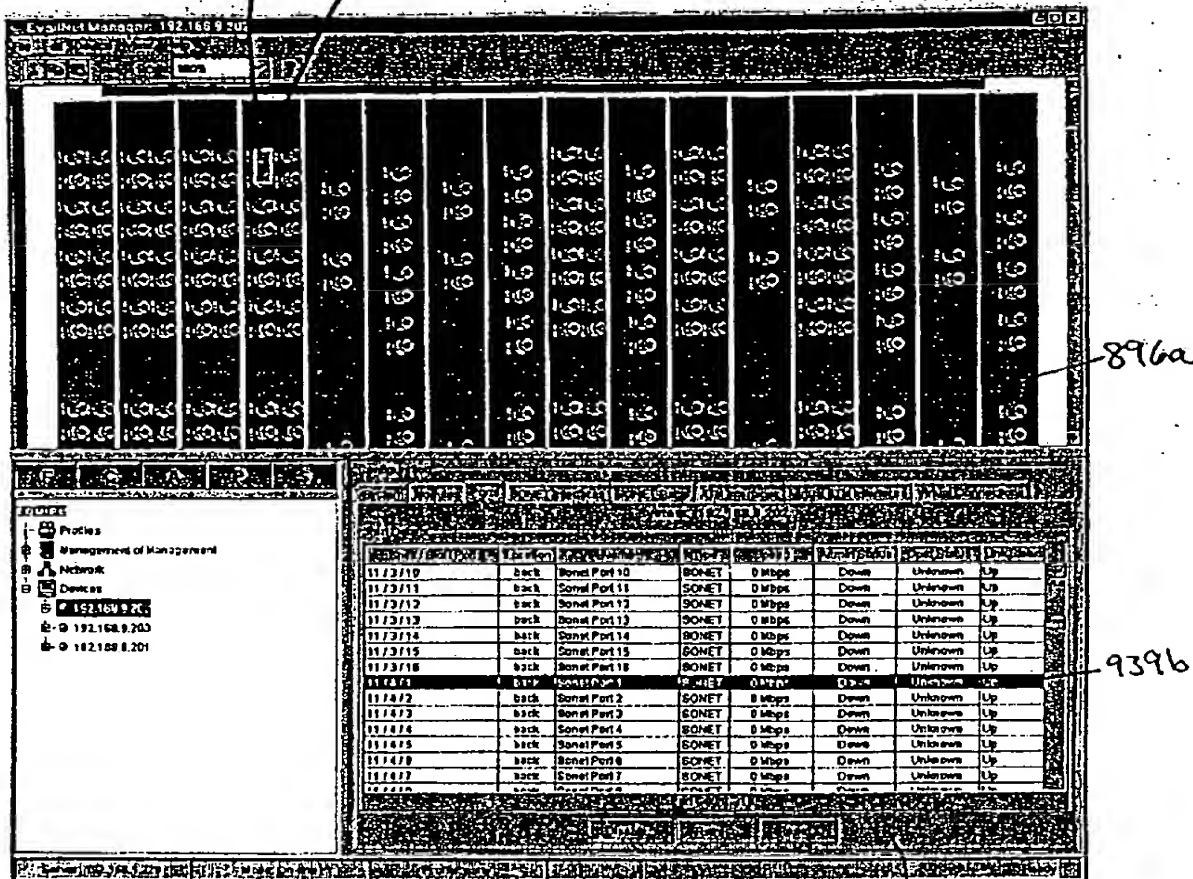
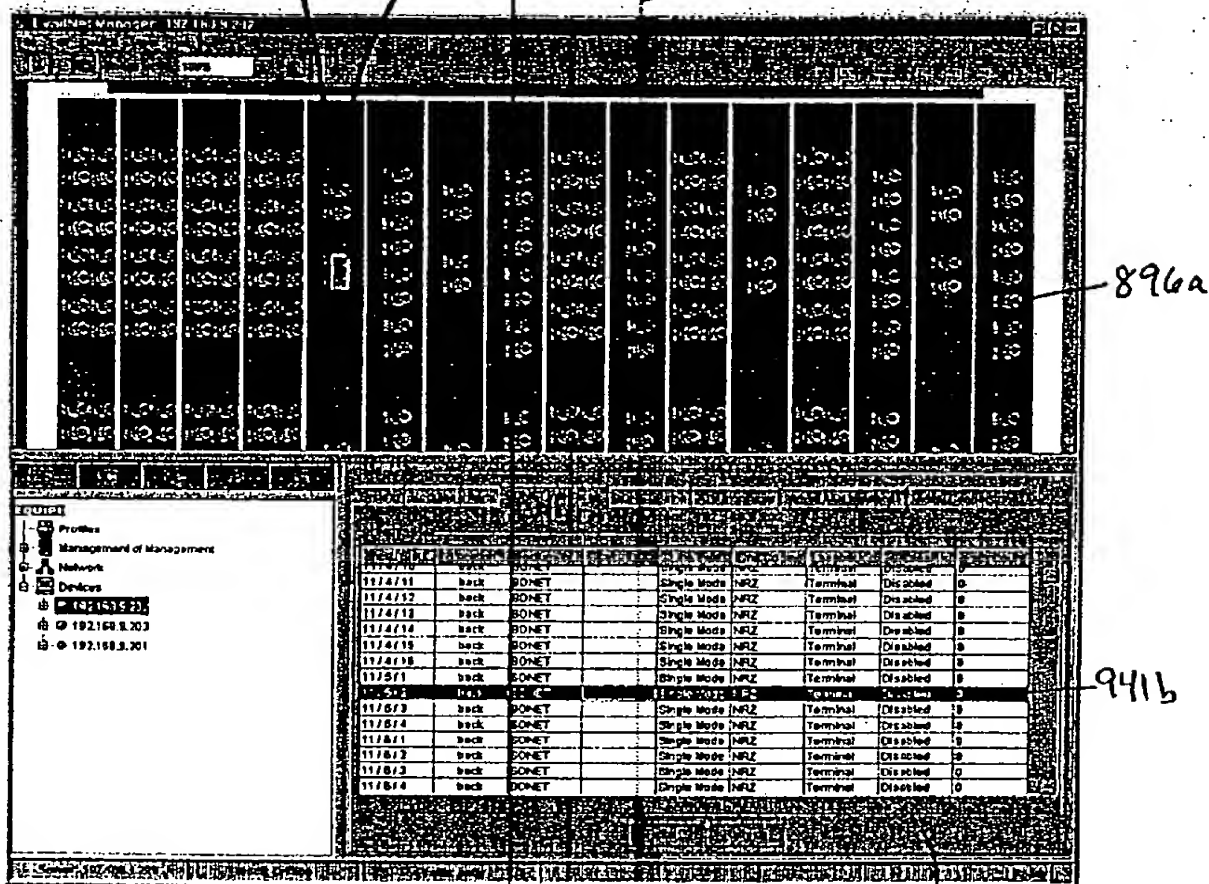


Fig. 4s







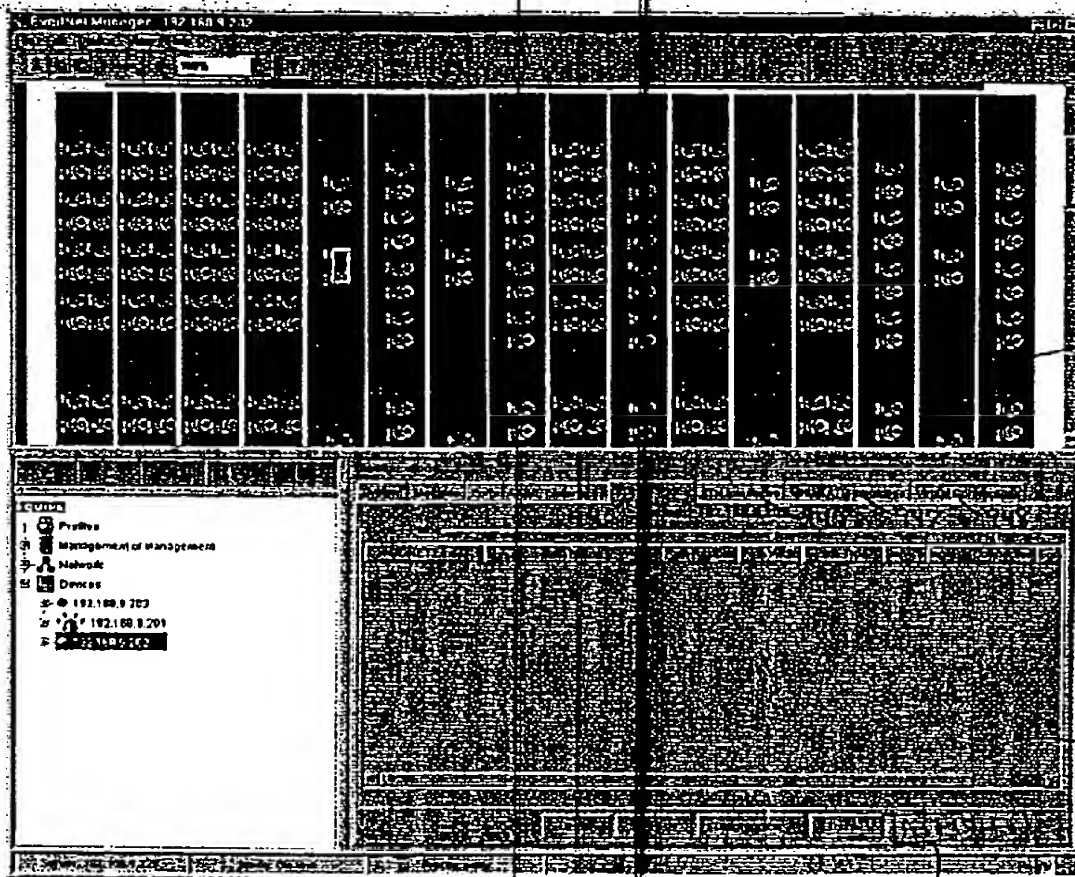


Fig. 4w

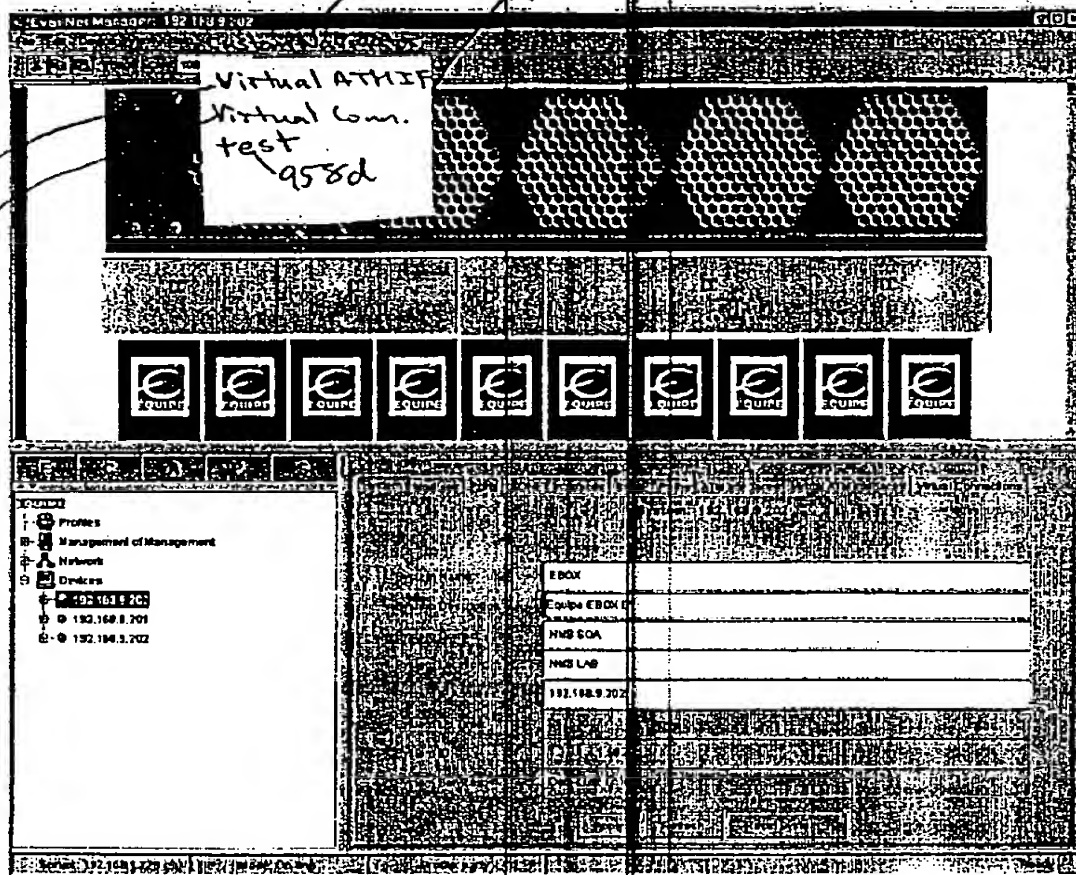


Fig. 4x

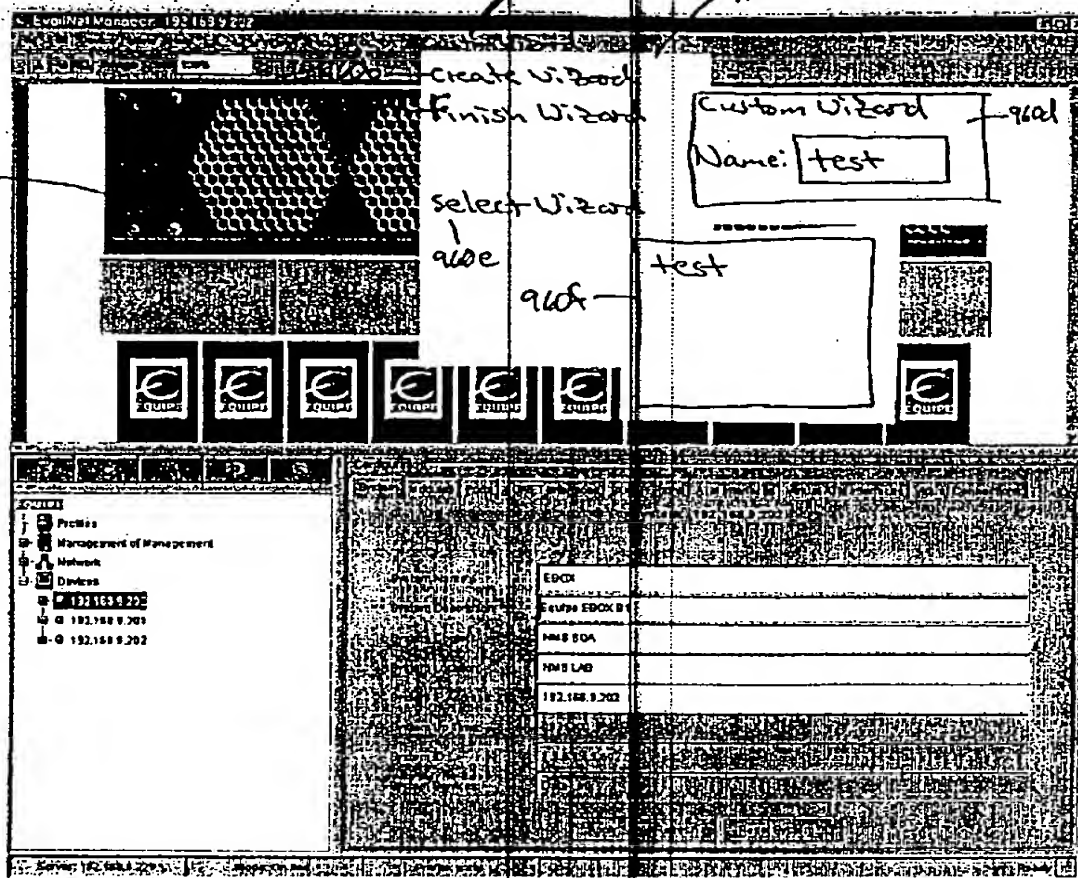


Fig. 4y

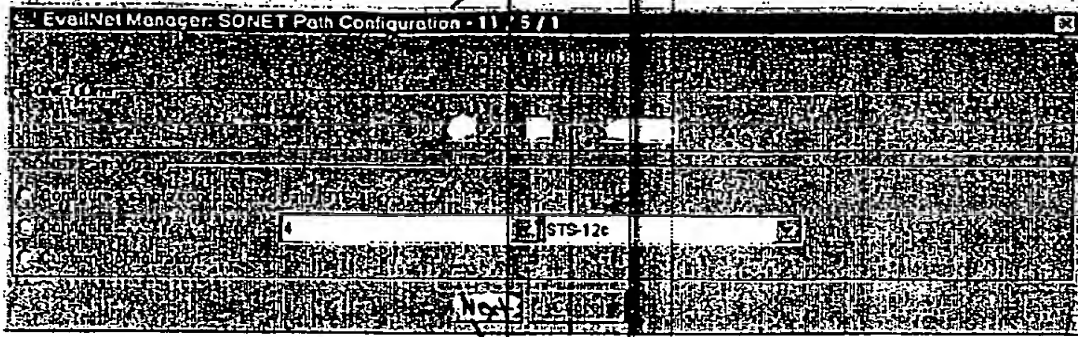


Fig. 42

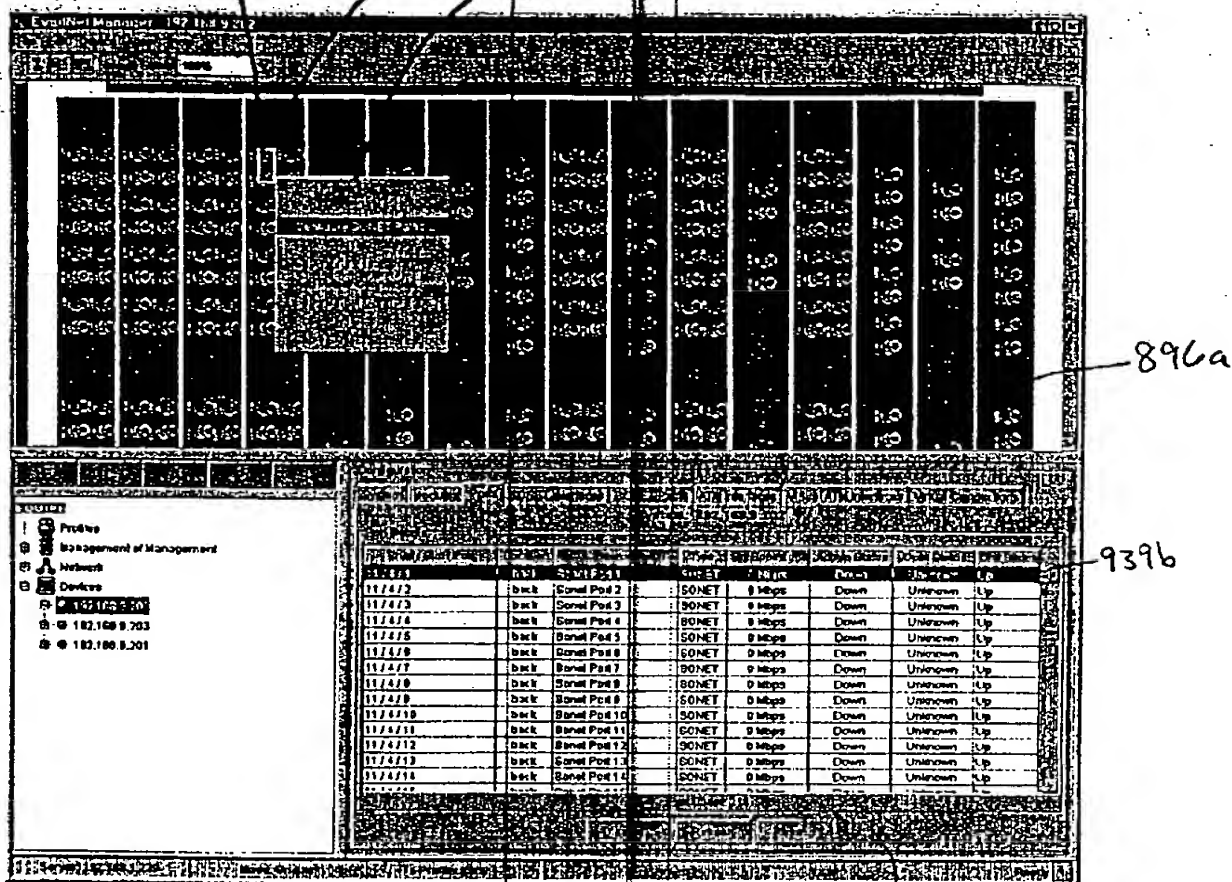
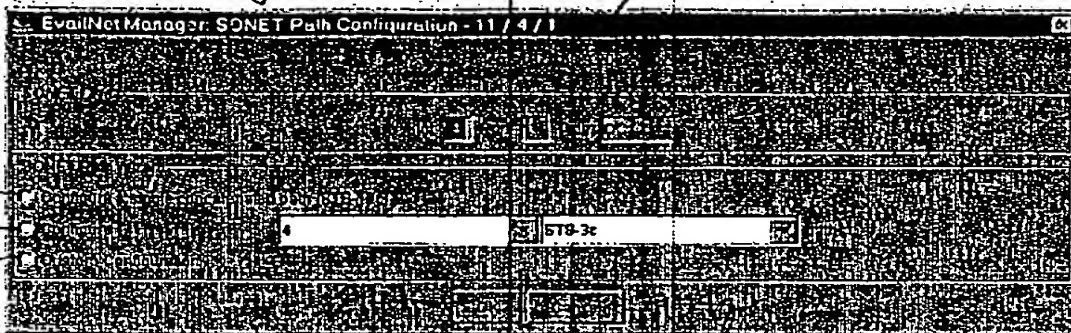


Fig. 5a

Fig. 5b

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944e

944f

Fig. 5c

Fig. 5d

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944a

944c

944g

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

SONET ID	Path ID	Path Label	Path Type	Path Status	Path Type	Path Type	Path Type	Path Type
11 / 4 / 1	Path1_11 /	1	STS-3c	Terminated	ATM			
11 / 4 / 1	Path2_11 /	4	STS-3c	Terminated	ATM			
11 / 4 / 1	Path3_11 /	7	STS-3c	Terminated	ATM			
11 / 4 / 1	Path4_11 /	10	STS-3c	Terminated	ATM			

944f 944e

944a

944c

944g

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

SONET ID	Path ID	Path Label	Path Type	Path Status	Path Type	Path Type	Path Type	Path Type
11 / 4 / 1	Path1_11 /	1	STS-12c	Terminated	ATM			

944 944e 944f

Fig. 5e

Fig. 5f

944

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

944a

944b

944h

STS-3c

944i

STS-3c - 944L

STS-3c - 944m

944j

STS-3c

STS-3c

SONET ID	Path Name	Path ID	Path Type	Path Status	Path Type	Path Code	Path Code
11 / 4 / 1	Path1_11f	1	STS-3c	Terminated	ATM		
11 / 4 / 1	Path2_11f	4	STS-3c	Terminated	ATM		
11 / 4 / 1	Path3_11f	7		Terminated	ATM		

944f

944e

EvailNet Manager: SONET Path Configuration - 11 / 4 / 1

945a

945g

SONET ID	Path Name	Path ID	Path Type	Path Status	Path Type	Path Code	Path Code
Shelf 11/SL	Path1_11f	1	3	2	1		
Shelf 11/SL	Path2_11f	4	3	2	1		

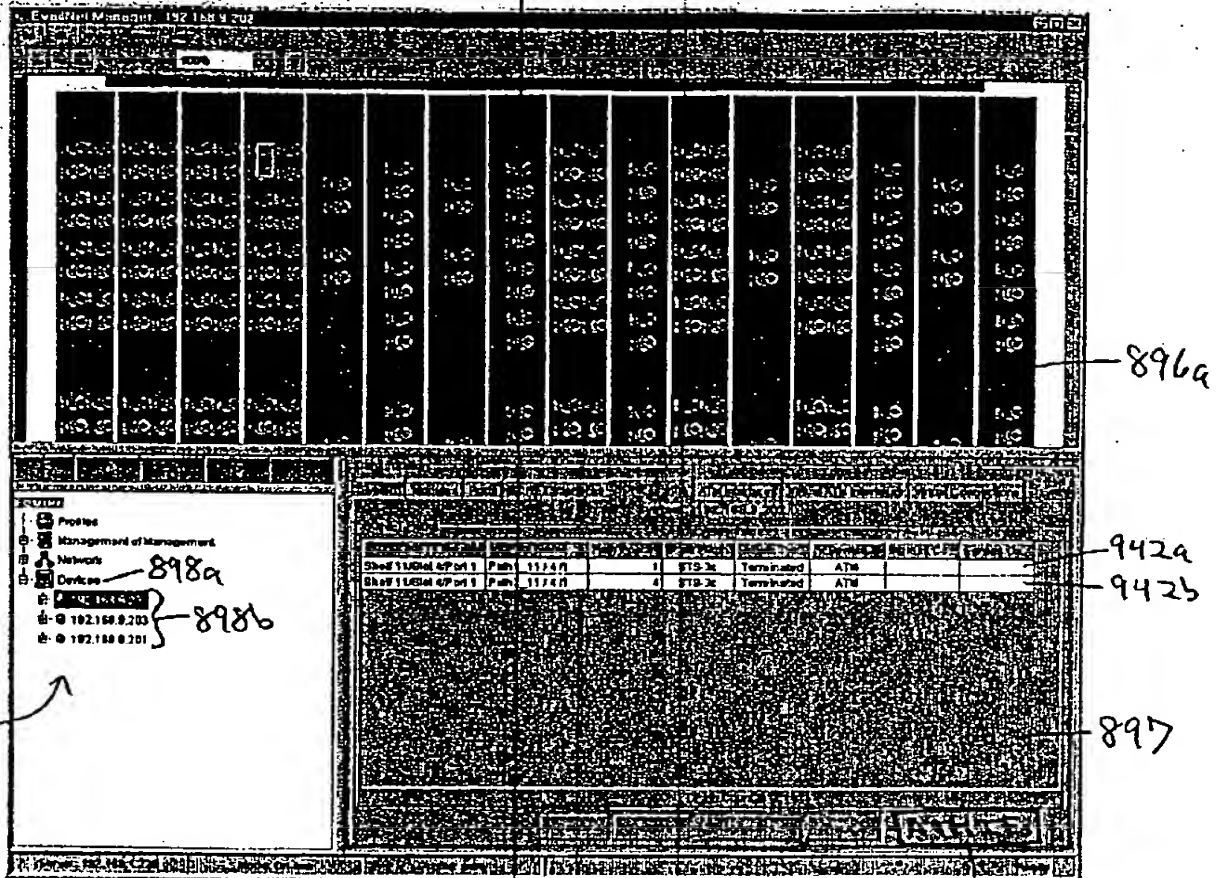
945

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Fig. 5g

895



-942a

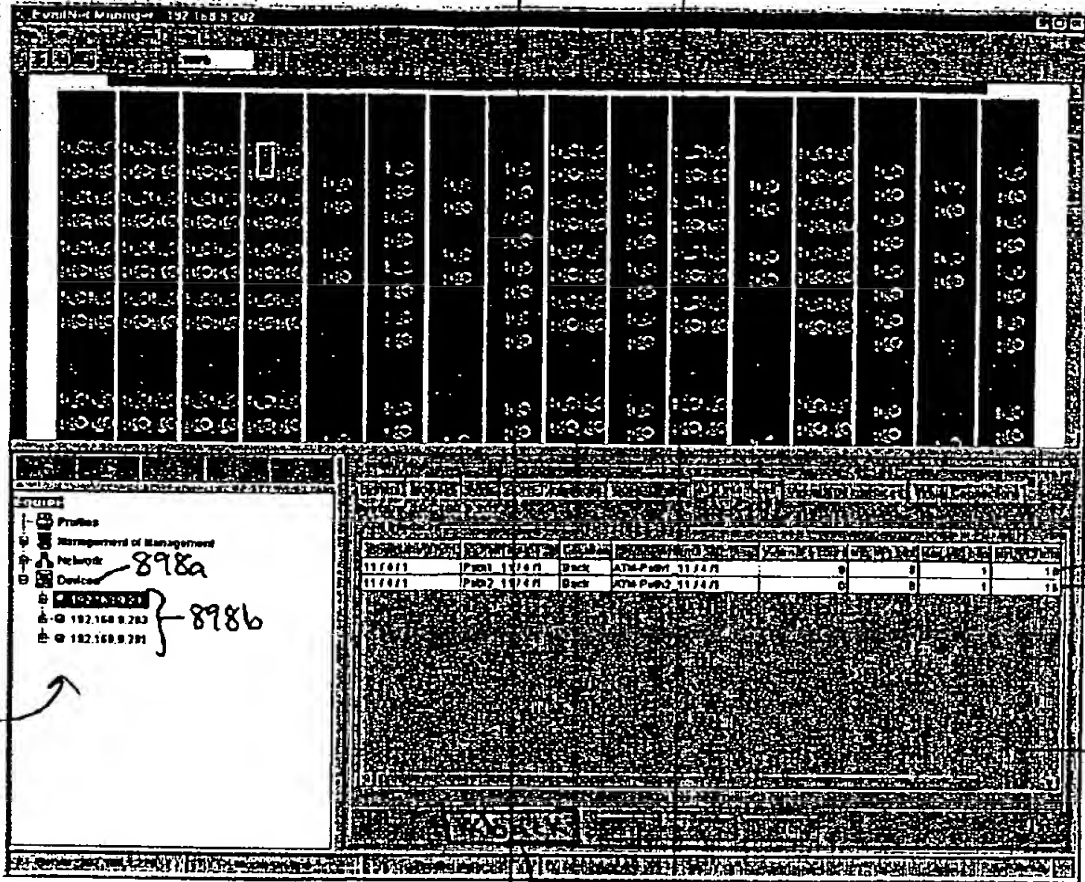
-9425

-897

942c

Fig. 5h

895



946a
946b

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946h

Fig. 5i

Fig. 5j

556d

941a

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EvailNet Manager 192.168.9.202

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898b

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IP Address	Host Name	Device Type	Device Model	Device Mode	Device Status	Device ID
112.168.9.202	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.203	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.204	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.205	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.206	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.207	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.208	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.209	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.210	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.211	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.212	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.213	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.214	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.215	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.216	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.217	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.218	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.219	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.220	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.221	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.222	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.223	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.224	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.225	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.226	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.227	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.228	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.229	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.230	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.231	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.232	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.233	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.234	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.235	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.236	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.237	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.238	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.239	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.240	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.241	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.242	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.243	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.244	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.245	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.246	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.247	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.248	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.249	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.250	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.251	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.252	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.253	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.254	back	SONET	Single Mode	NRZ	Terminal Disabled	0
112.168.9.255	back	SONET	Single Mode	NRZ	Terminal Disabled	0

940a

Fig. 5K

EvailNet Manager: SONET Path Configuration - 11 / 5 / 2

944a

944b

944c

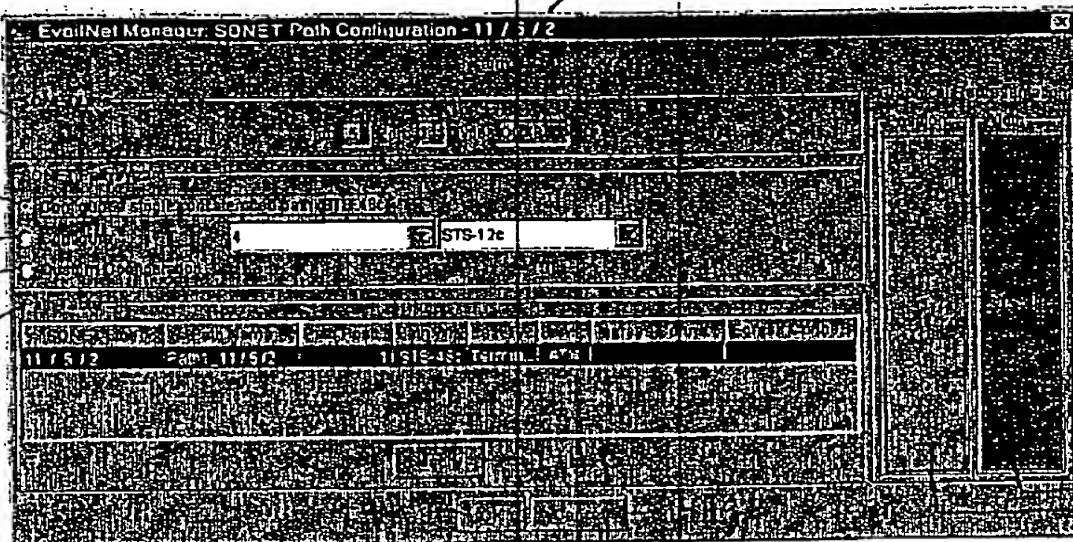
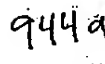
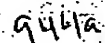
944d

944

STS-12c

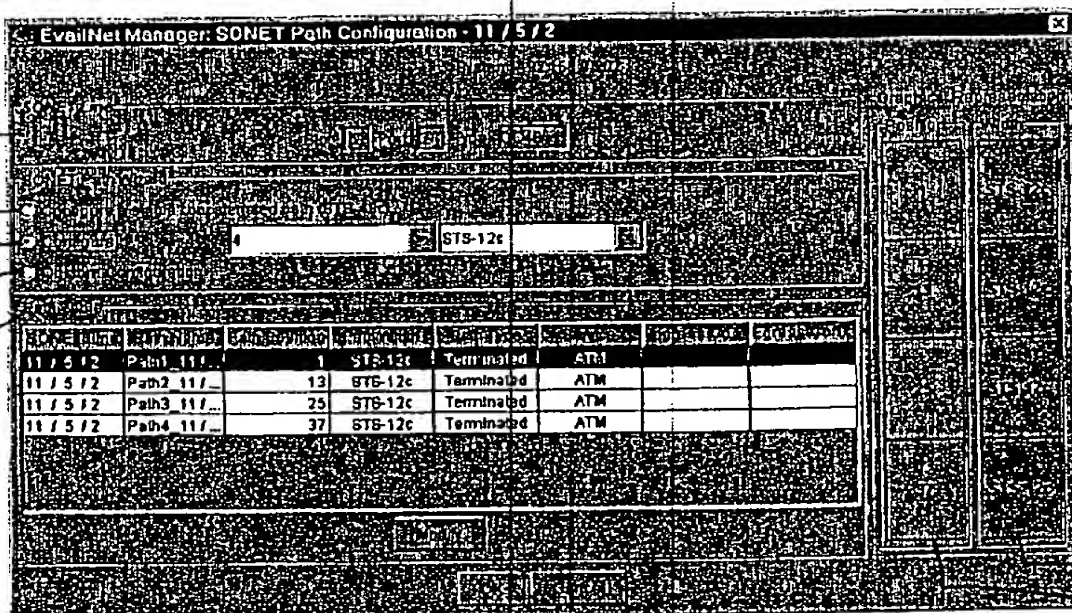
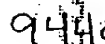
11-952

944



9442

-944e



9445

944e

944

Fig. 5m

Fig. 5n

944

944a

944b

944c

944d

944g

EvailNet Manager: SONET Path Configuration - 11/5/2

Path	Path ID	Path Name	Path Type	Path Status	Path Description
1	1	STB-48c	Terml.	ATM	
4	4	STB-48c	Terml.	ATM	
10	10	STB-48c	Terml.	ATM	
13	13	STB-48c	Terml.	ATM	
16	16	STB-48c	Terml.	ATM	
19	19	STB-48c	Terml.	ATM	

11/5/2 Path: 11/5/2 1: STB-48c Terminate: ATM

944f

944e

944a

944b

944c

944d

944g

EvailNet Manager: SONET Path Configuration - 11/5/2

Path	Path ID	Path Name	Path Type	Path Status	Path Description
1	1	STB-3c	Terml.	ATM	
4	4	STB-3c	Terml.	ATM	
7	7	STB-3c	Terml.	ATM	
10	10	STB-3c	Terml.	ATM	
13	13	STB-3c	Terml.	ATM	
16	16	STB-3c	Terml.	ATM	
19	19	STB-3c	Terml.	ATM	

11/5/2 Path: 11/5/2 1: STB-3c Terminate: ATM

Path	Path ID	Path Name	Path Type	Path Status	Path Description
1	1	STB-3c	Terml.	ATM	
4	4	STB-3c	Terml.	ATM	
7	7	STB-3c	Terml.	ATM	
10	10	STB-3c	Terml.	ATM	
13	13	STB-3c	Terml.	ATM	
16	16	STB-3c	Terml.	ATM	
19	19	STB-3c	Terml.	ATM	

944f

944e

944

Fig. 5o

944a

944b

944c

944d

944h

944g

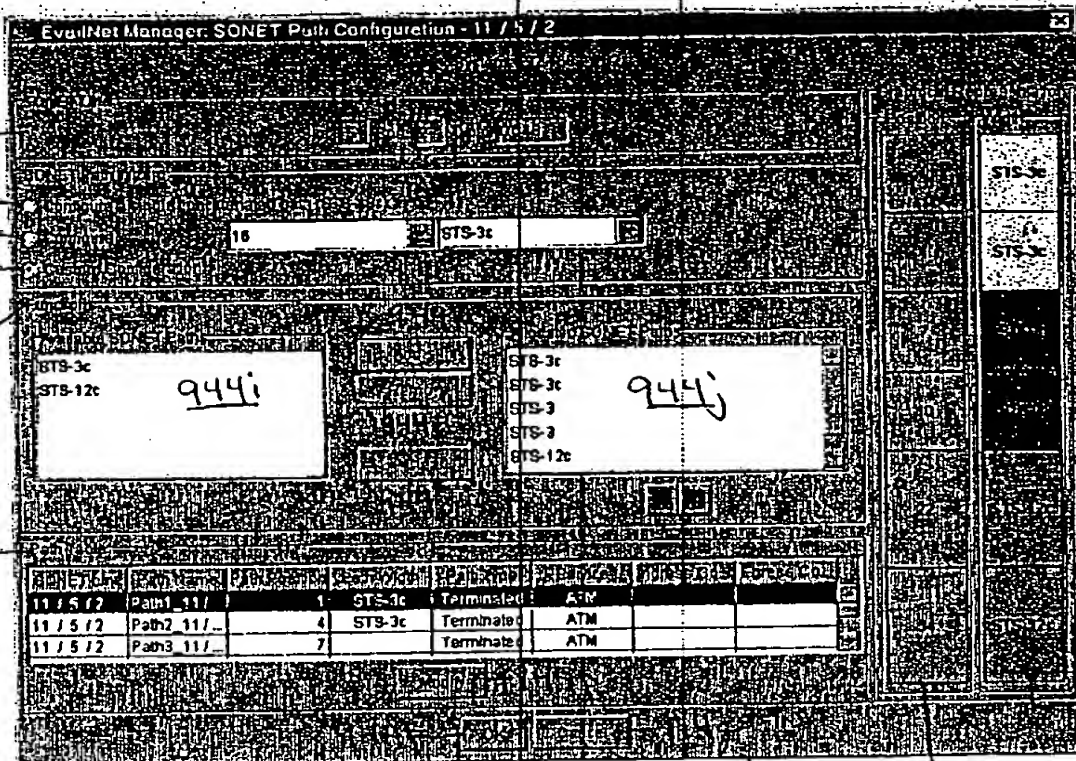


Fig. 5p

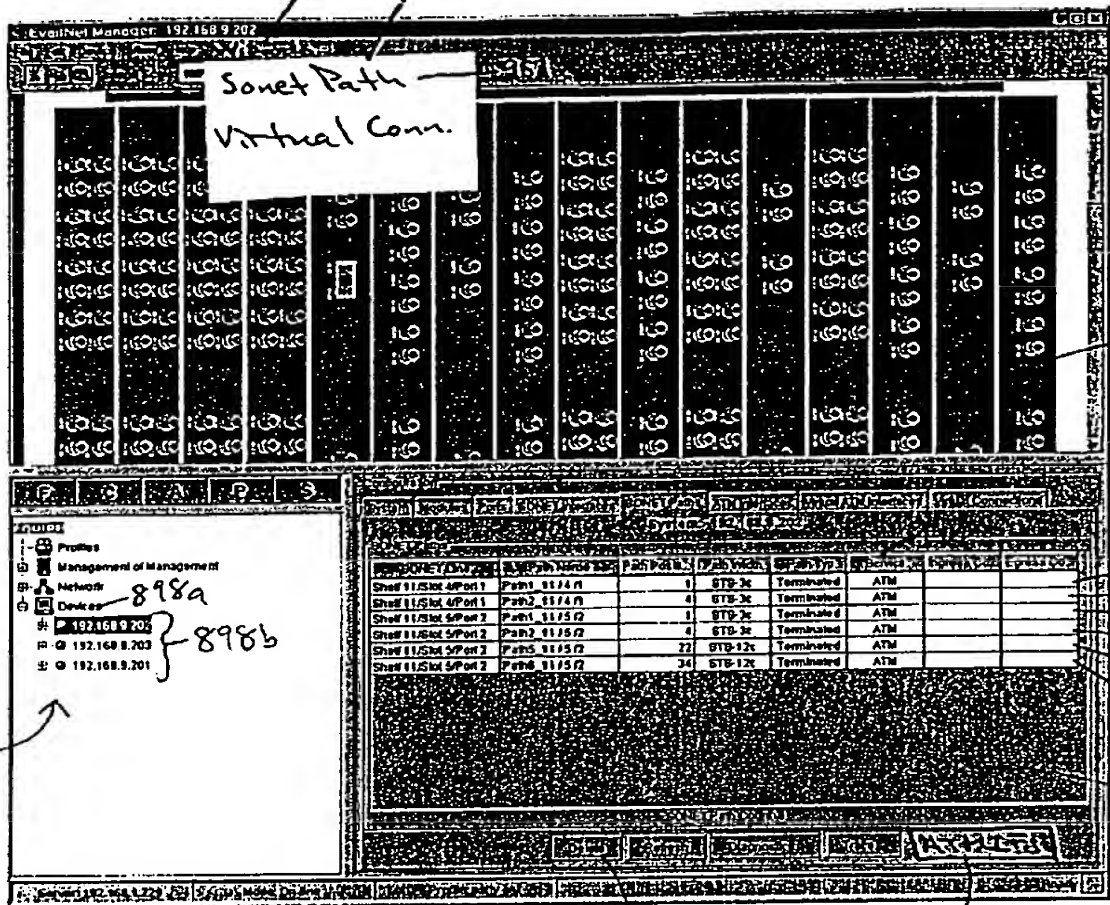


Fig. 5g

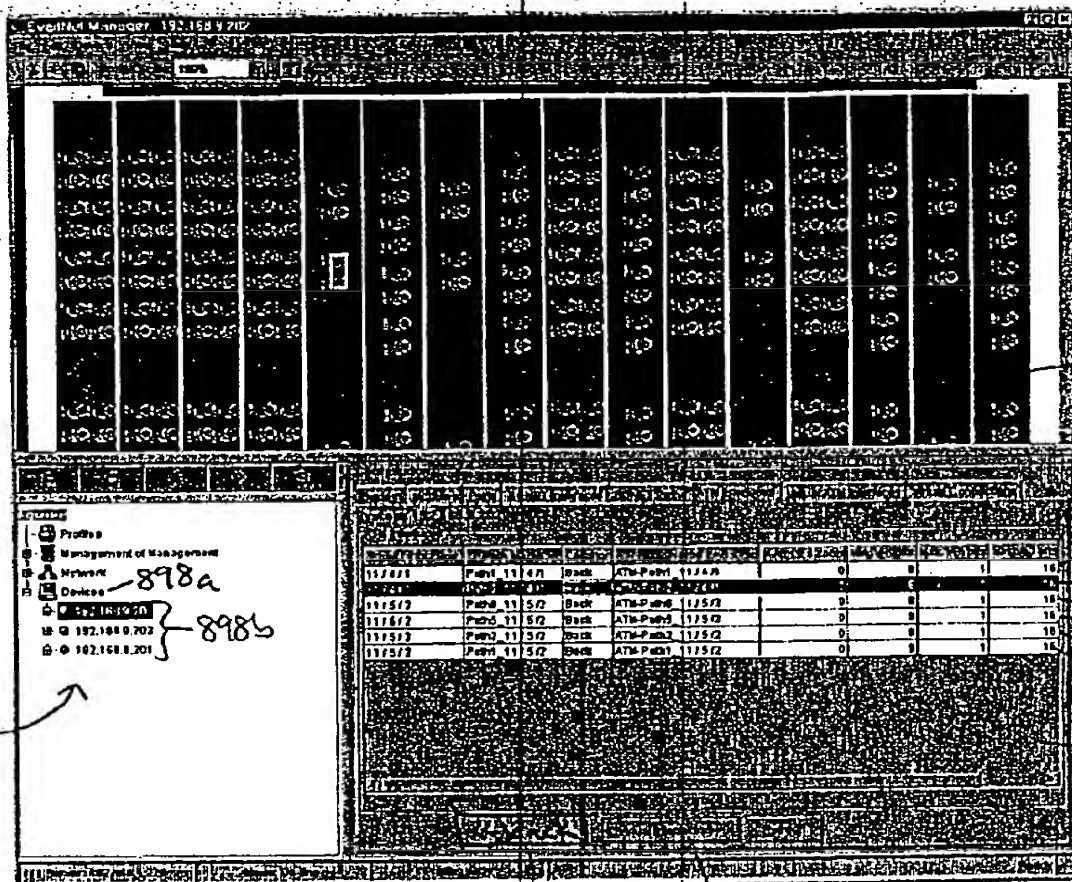


Fig. 5

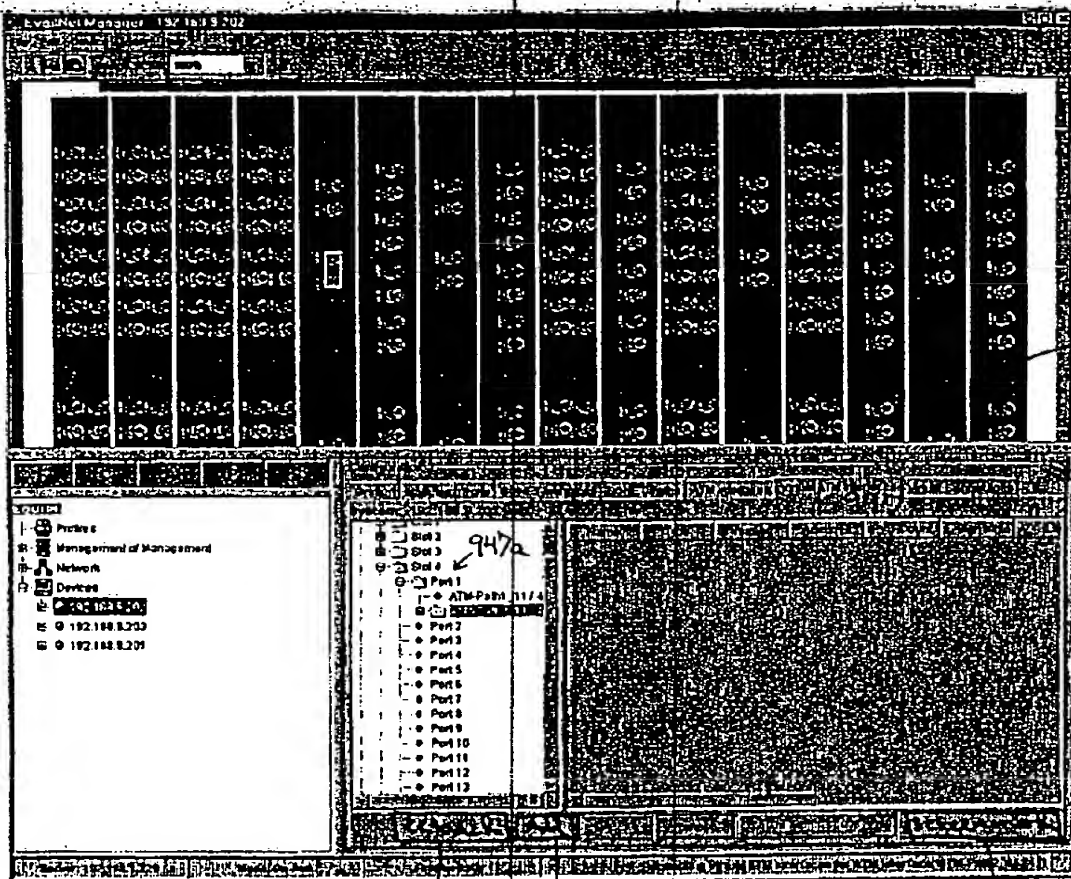


Fig. 5s

Fig. 5†

950

Add V-ATM Interface - 192.168.9.202

Name	test1
Conn. type	Direct Link
VLSN	UNI Network 3.1
Admin. stat.	Up

Back Cancel OK

VLAN 100 192.168.9.202

950d.

950a

9506

950c

The image shows a computer screen with two main windows. The top window, titled 'CableNet Manager 192.168.9.202', displays a large grid of 12 columns and 12 rows. Each cell in the grid contains a small icon or symbol, possibly representing a network node or status. The bottom window is divided into a left sidebar and a main content area. The sidebar, titled 'GUIDE', contains a tree view with the following items: 'Profiles', 'Management of Management', 'Network', and 'Devices'. The 'Devices' item is selected, and a sub-item '192.168.9.202' is highlighted. The main content area displays a detailed view of the selected device. It includes a list of ports: 'Port 1', 'Port 2', 'Port 3', 'Port 4', 'Port 5', 'Port 6', 'Port 7', and 'Port 8'. Below this list is a table with the following columns: 'Host', 'Direct Line', 'Unit Network 3.1', and 'Up'. The 'Host' column contains the text 'ATM-Port 1/14/9'. The table is mostly empty, with only a few cells containing data. The overall image is a black and white photograph of a computer monitor, showing some noise and artifacts typical of a scanned document.

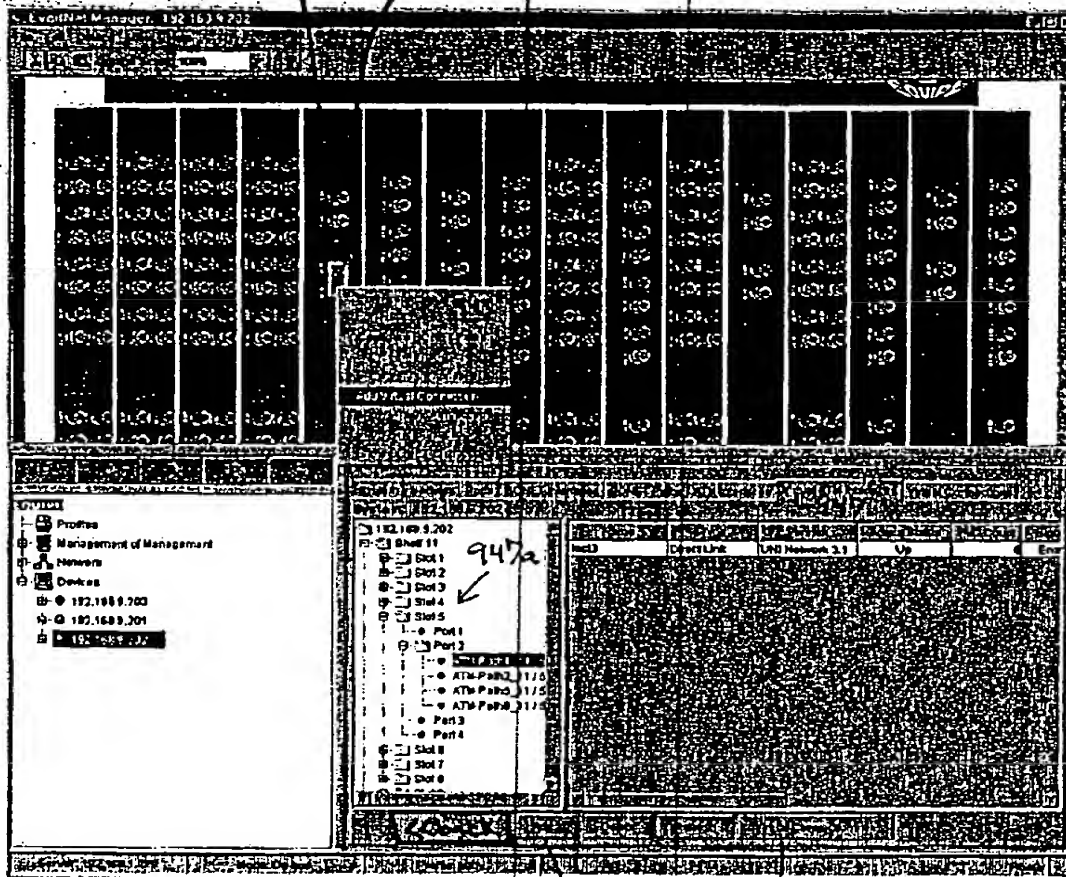
-947c

9476

Fig. 5u

556d 941a

← 895



947b

947d

947c

Fig. 5v

✓ 952

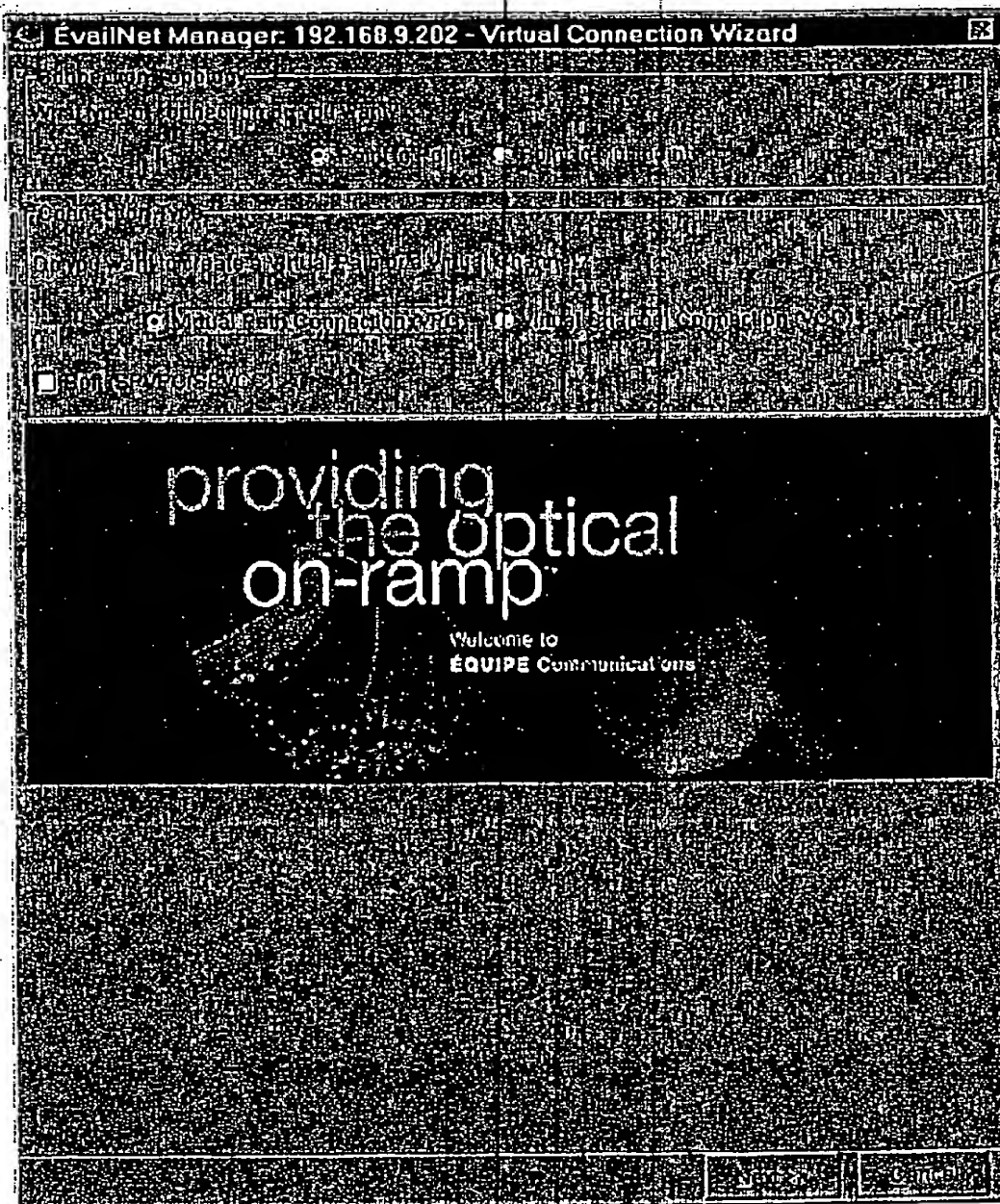


Fig. 5w

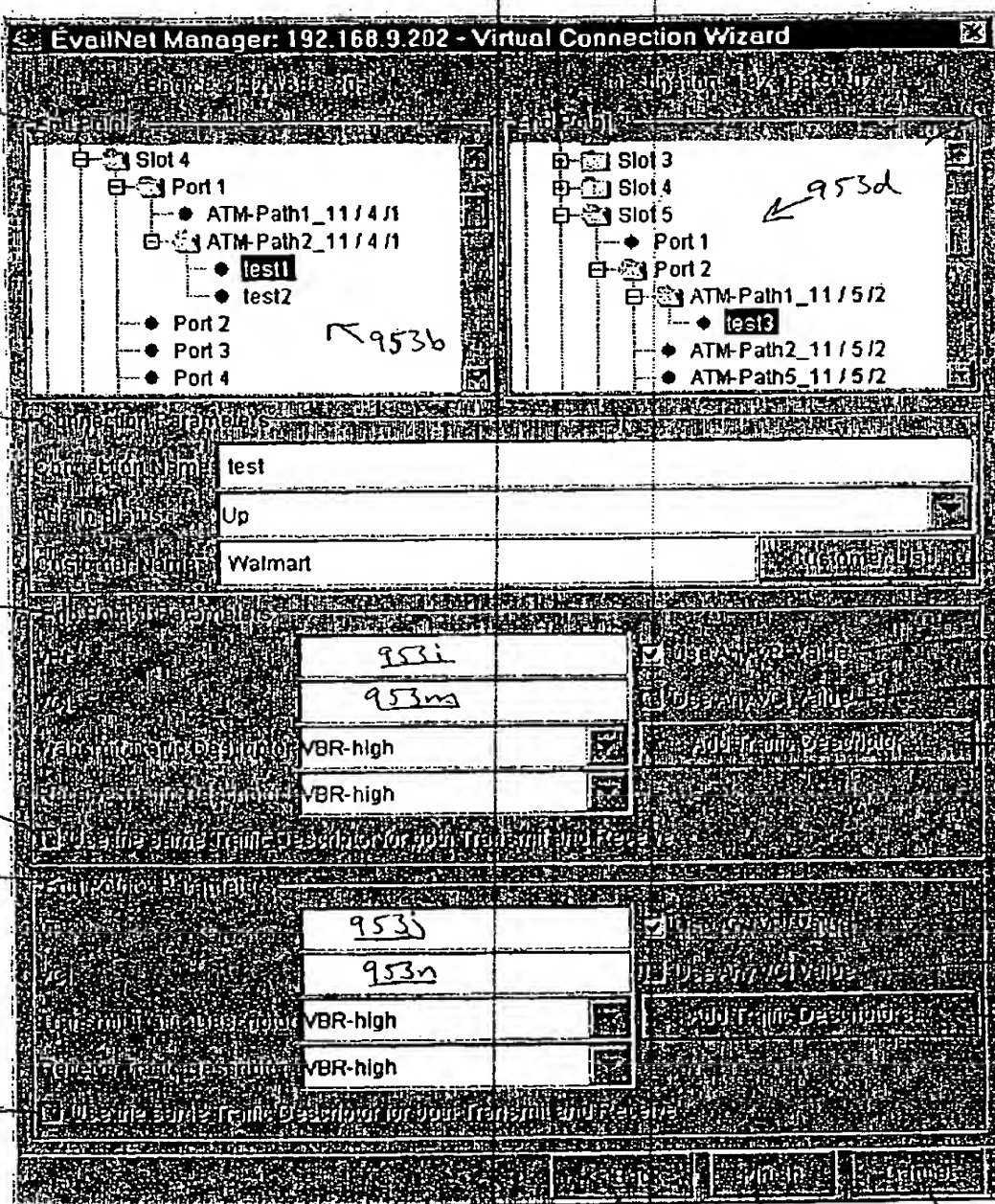


Fig. 5x

956

New Traffic Descriptor

Name:

QoS Class: ▼

Type: ▼

Fig. 5Y

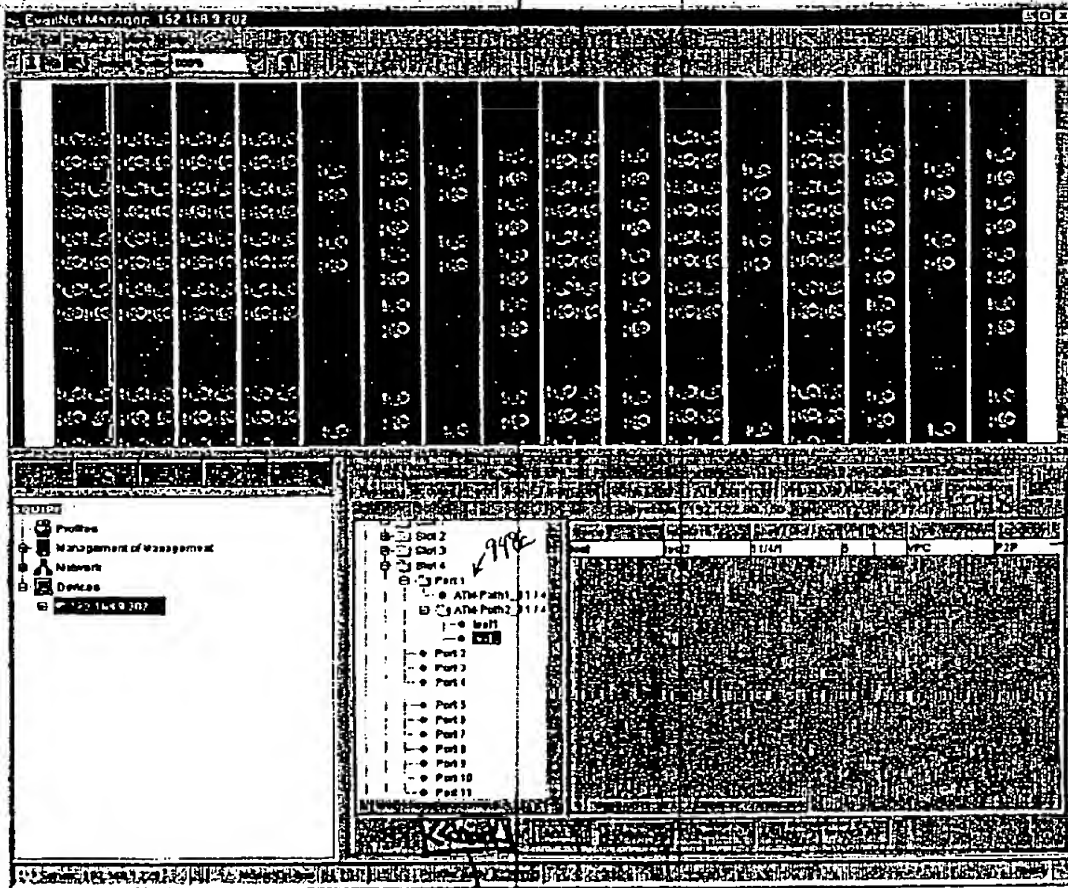


Fig. 57

895

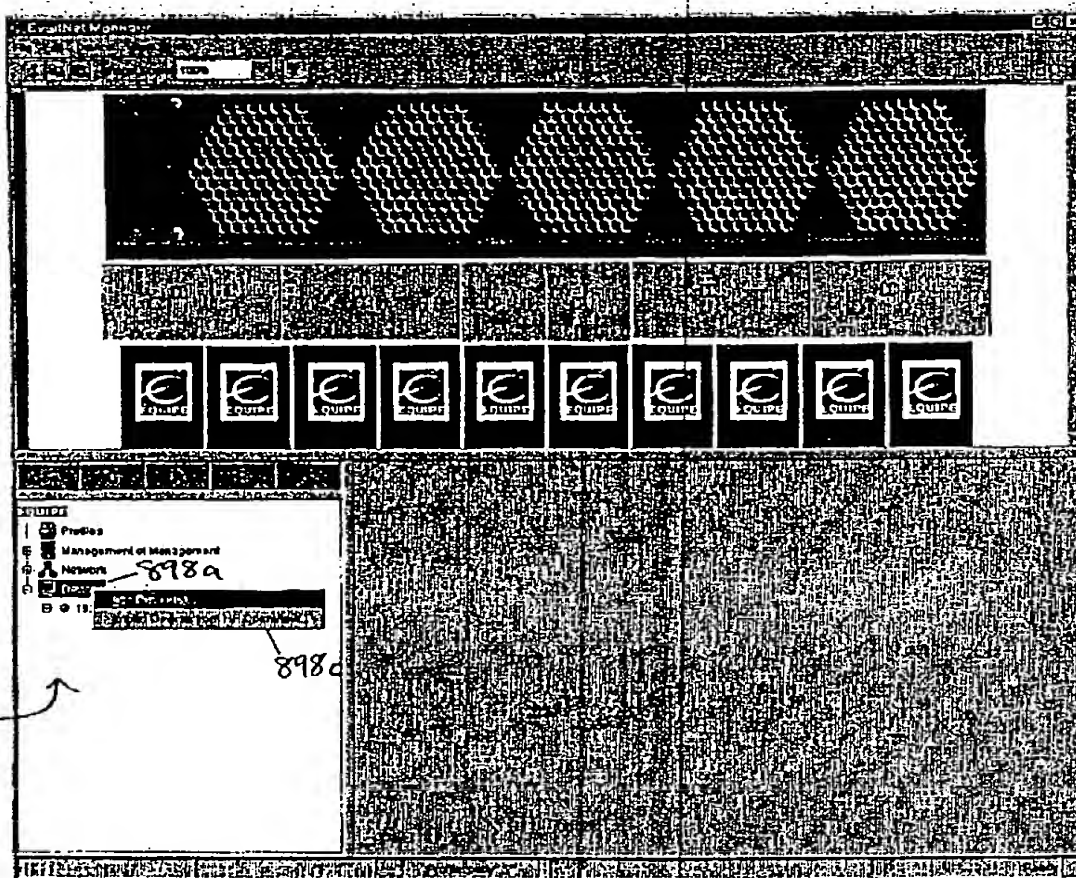


Fig. 6a

Fig. 6b

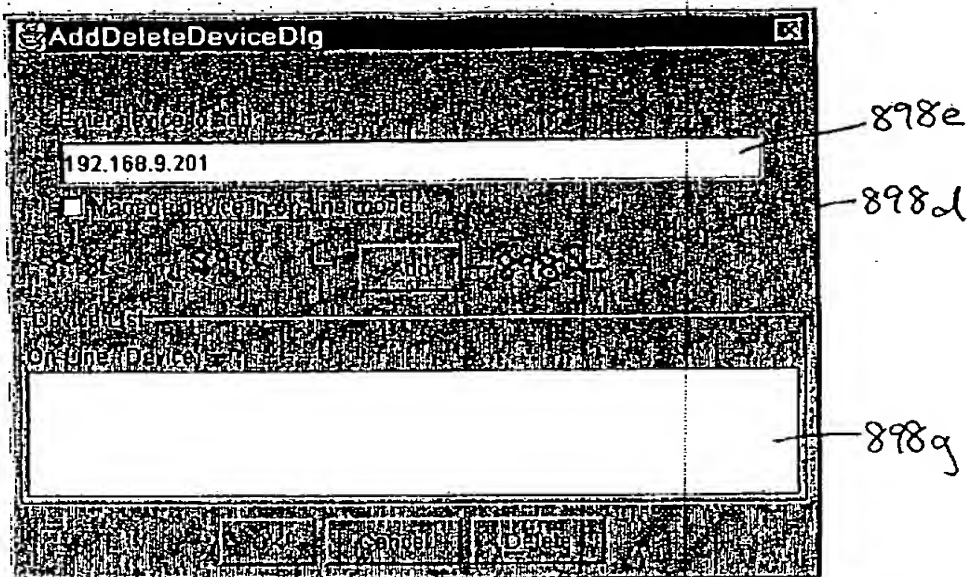
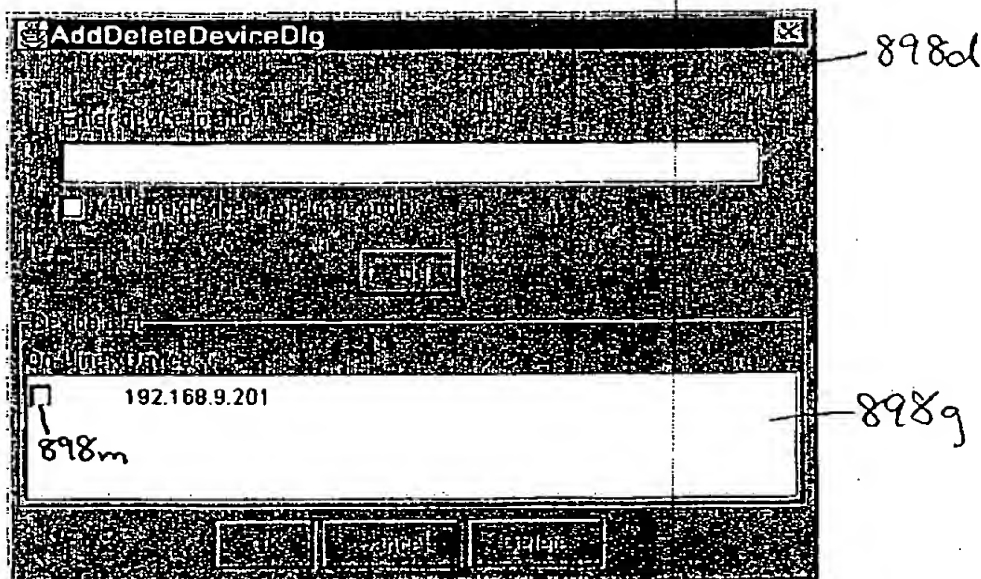


Fig. 6c



895

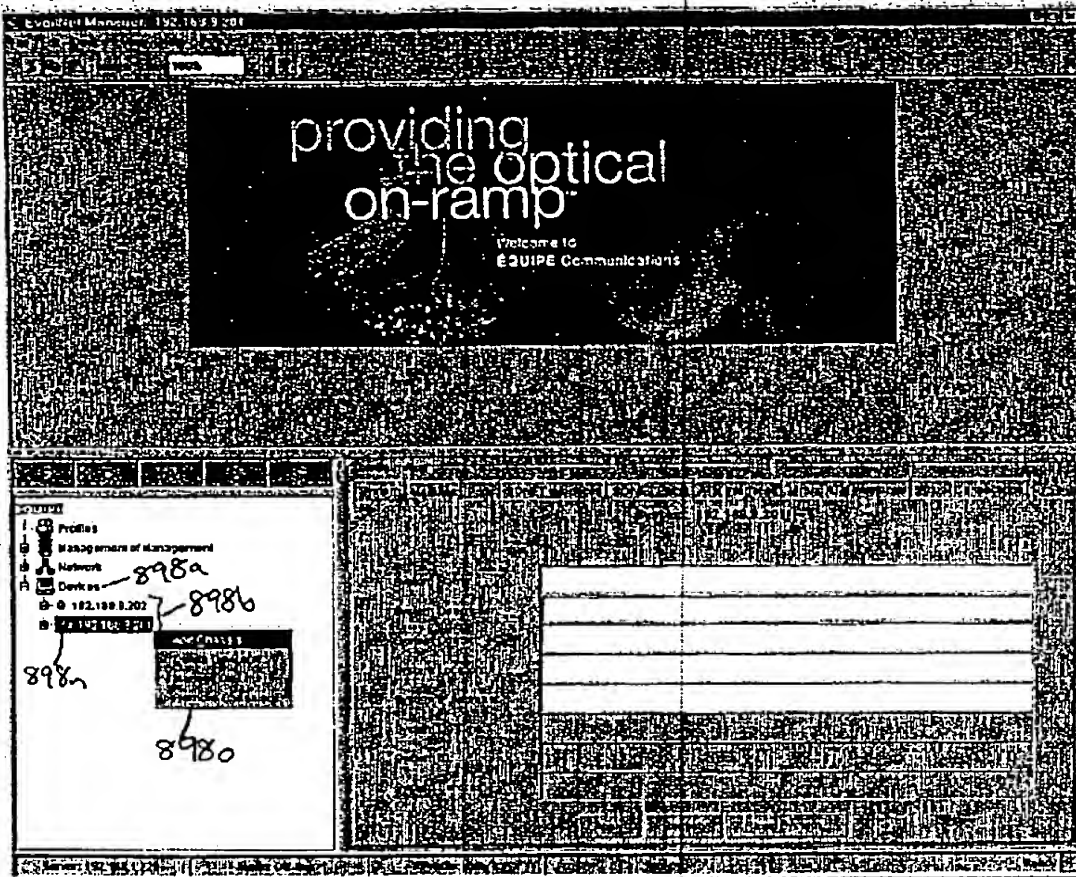


Fig. 6d

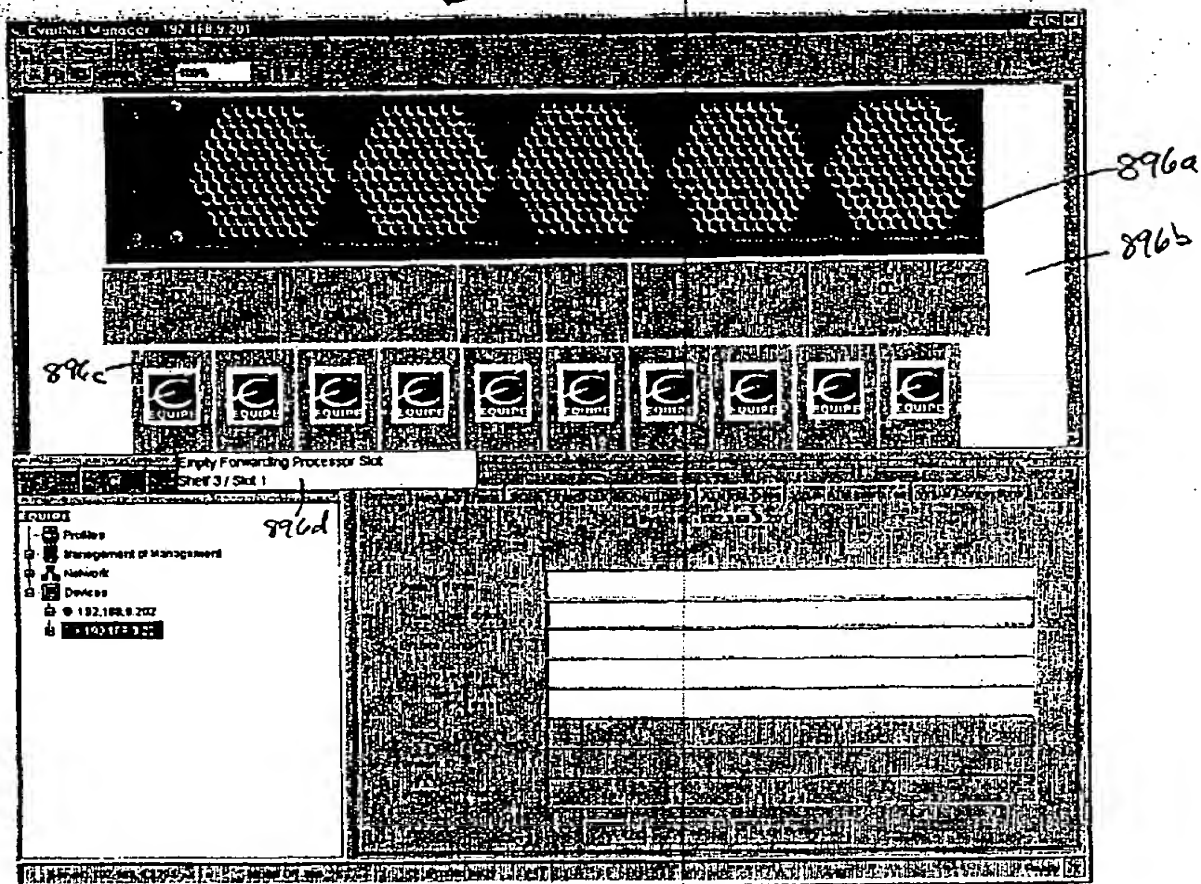


Fig. 6e

895

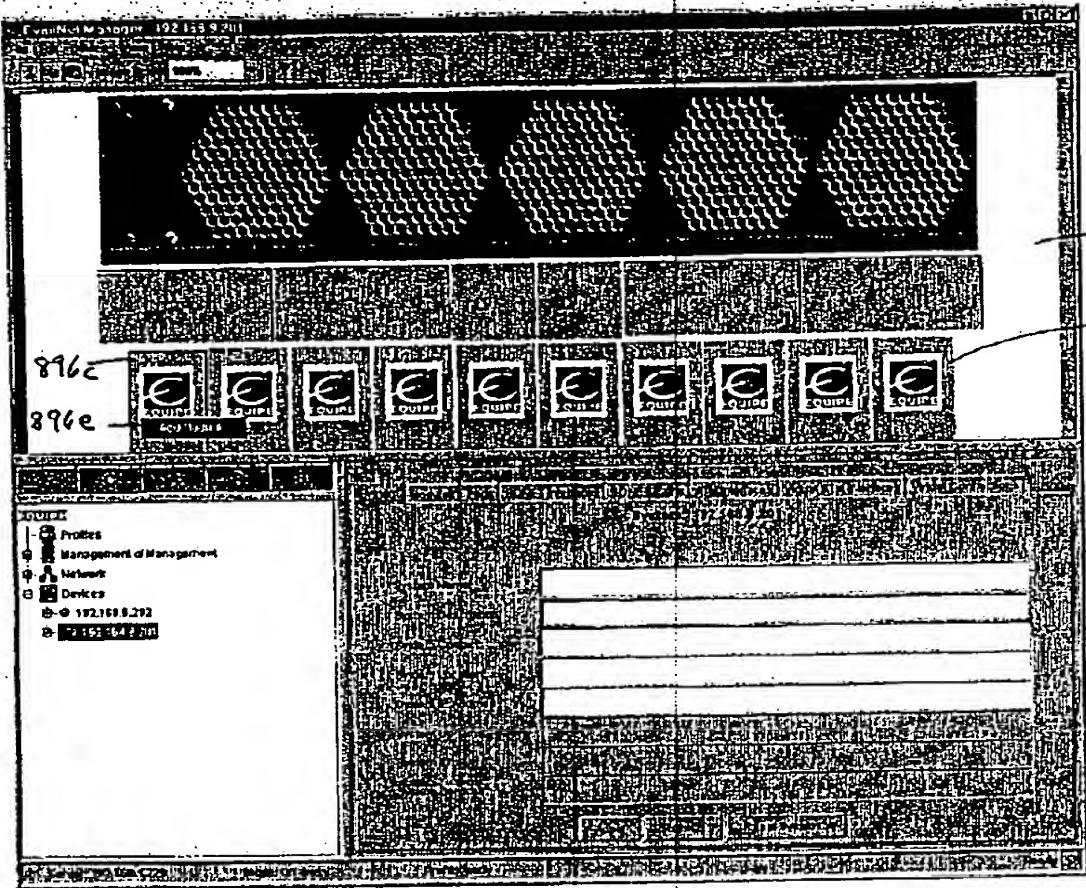


Fig. 6f

895

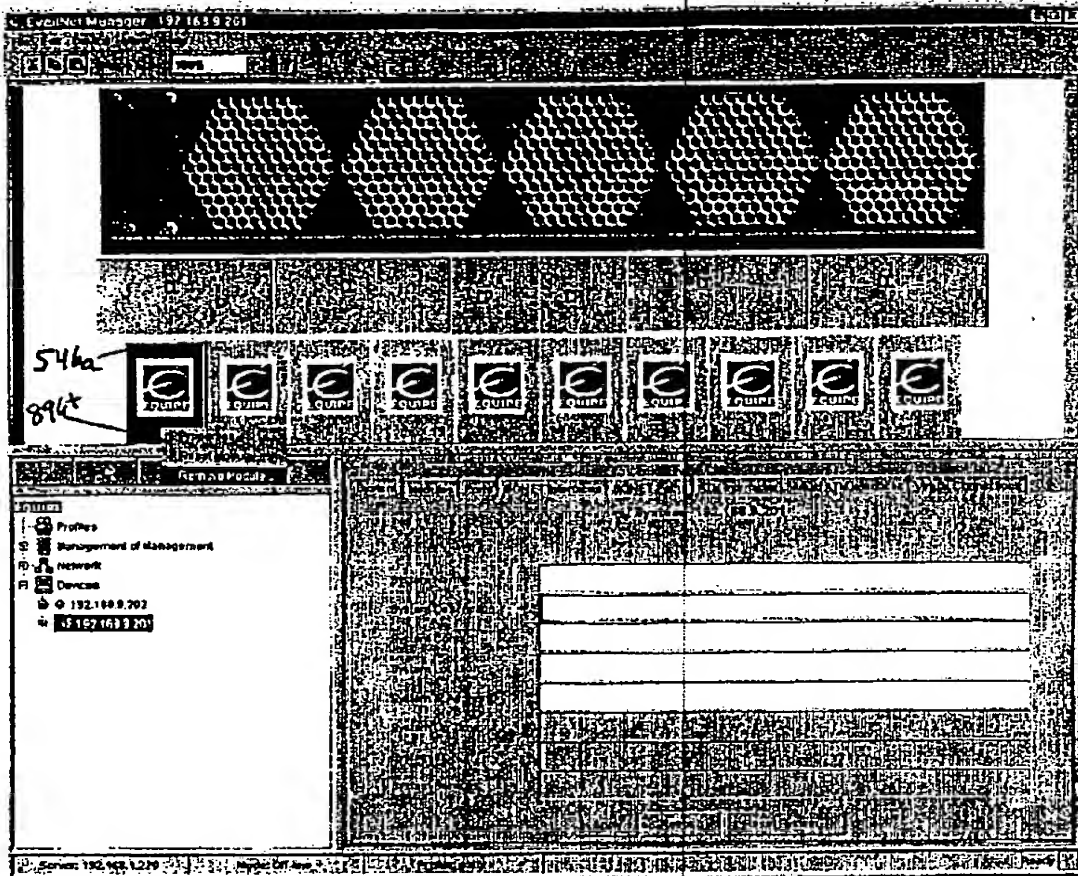


Fig. 69

895

896

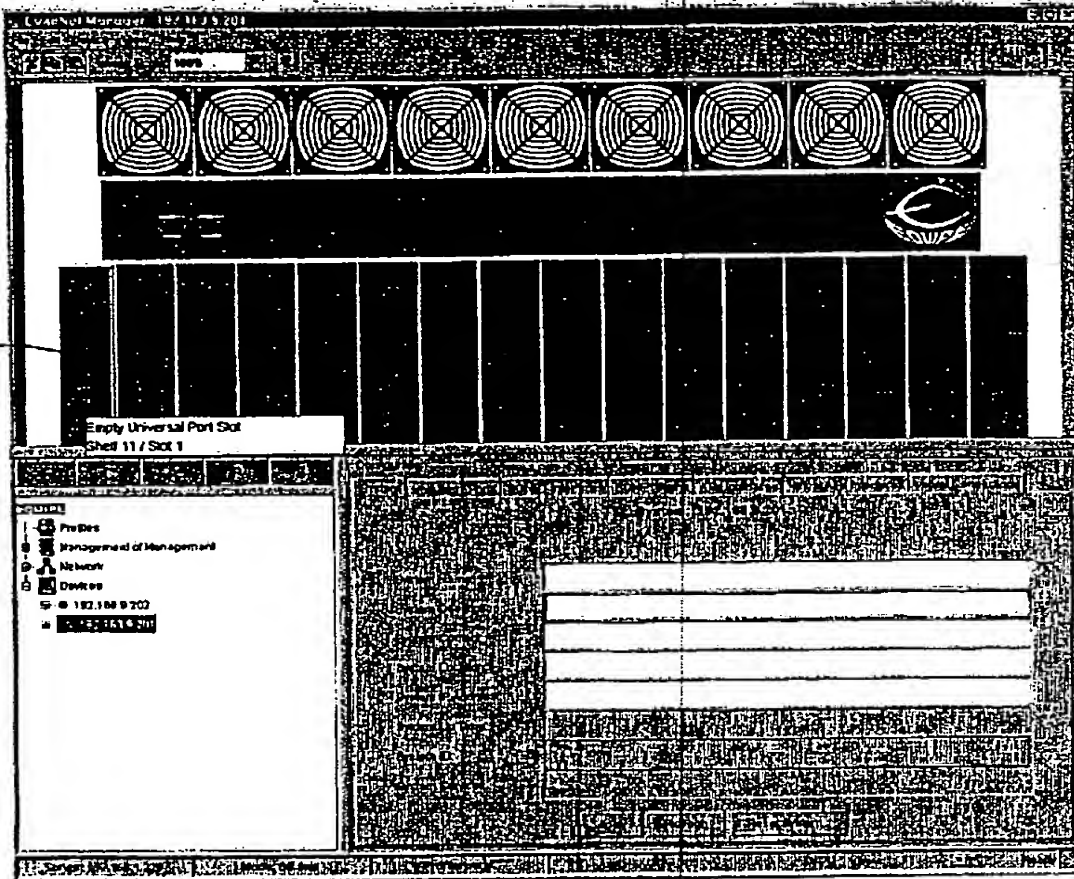


Fig. 6h

895

896f

896g

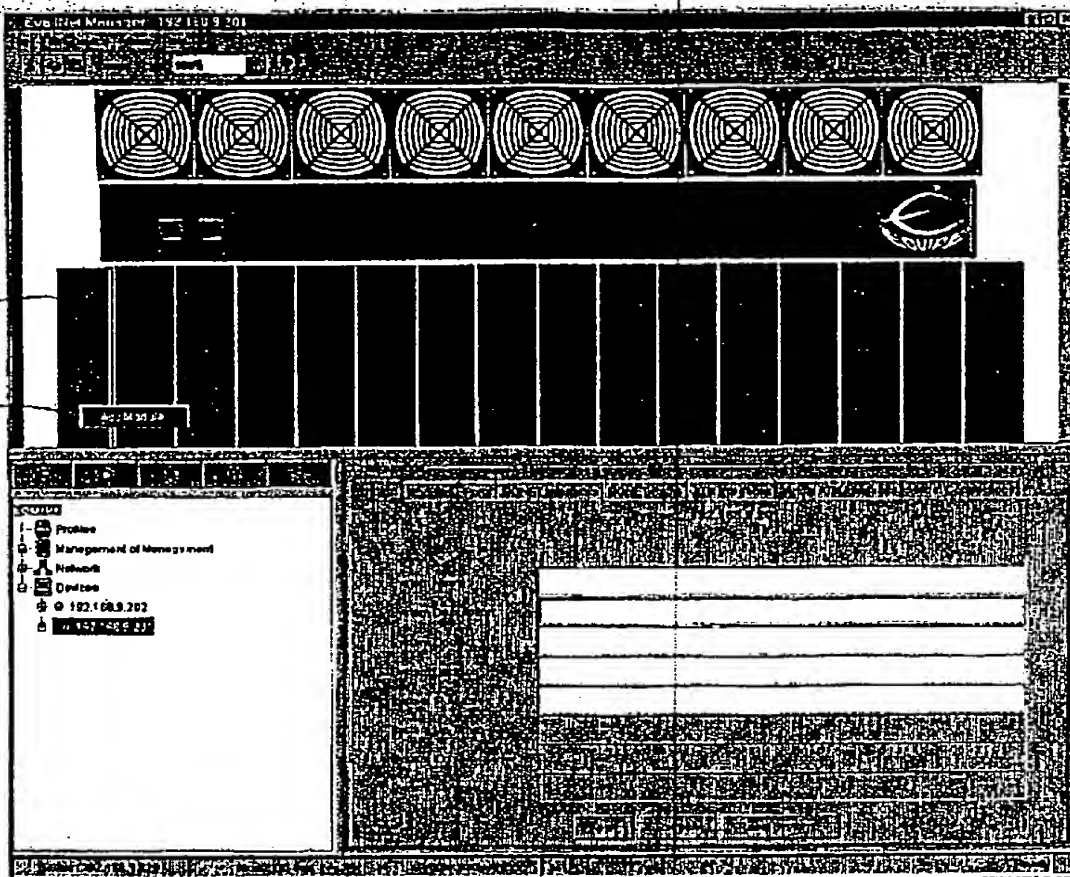


Fig. 6i

Fig. 6j

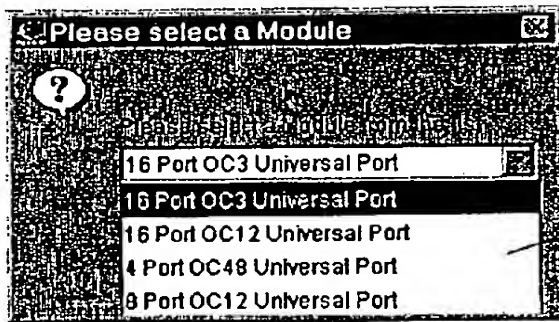
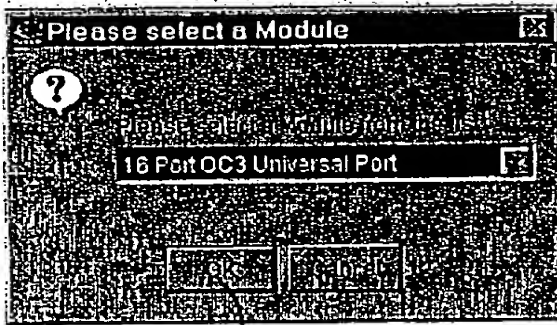


Fig. 6K

895

556i

556h

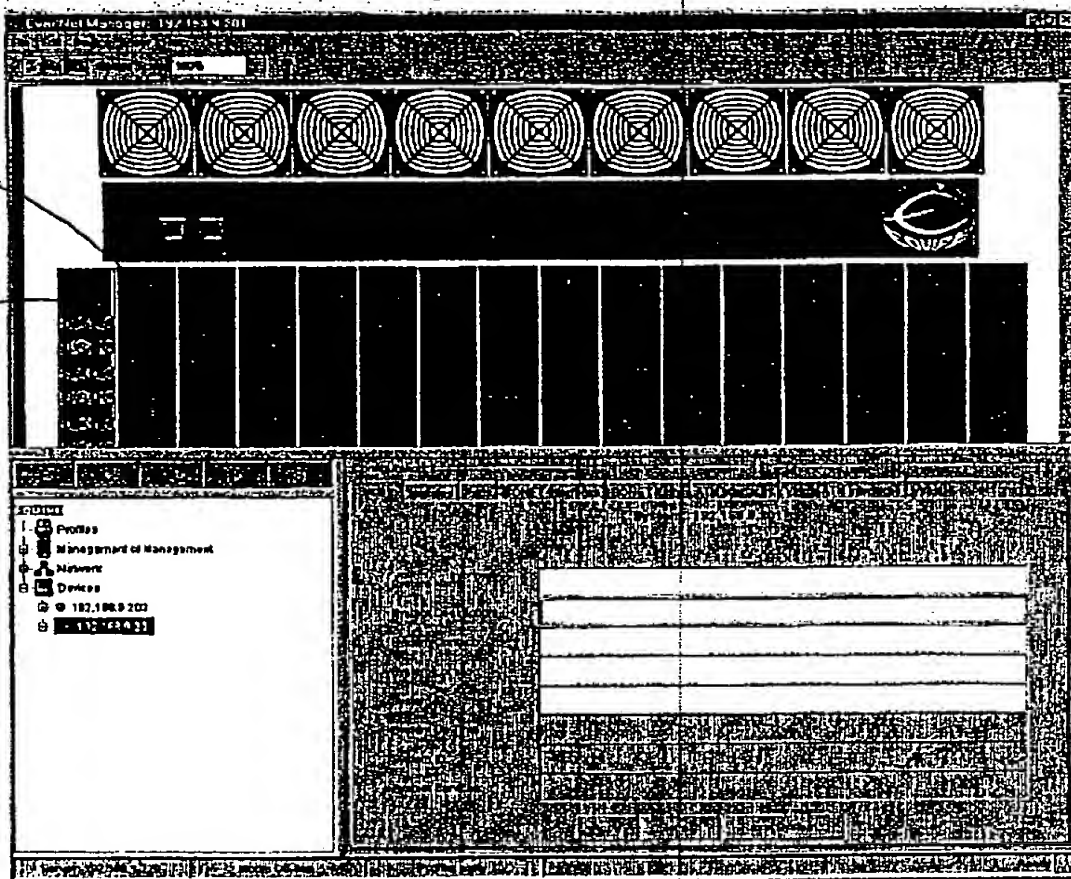


Fig. 6L

895

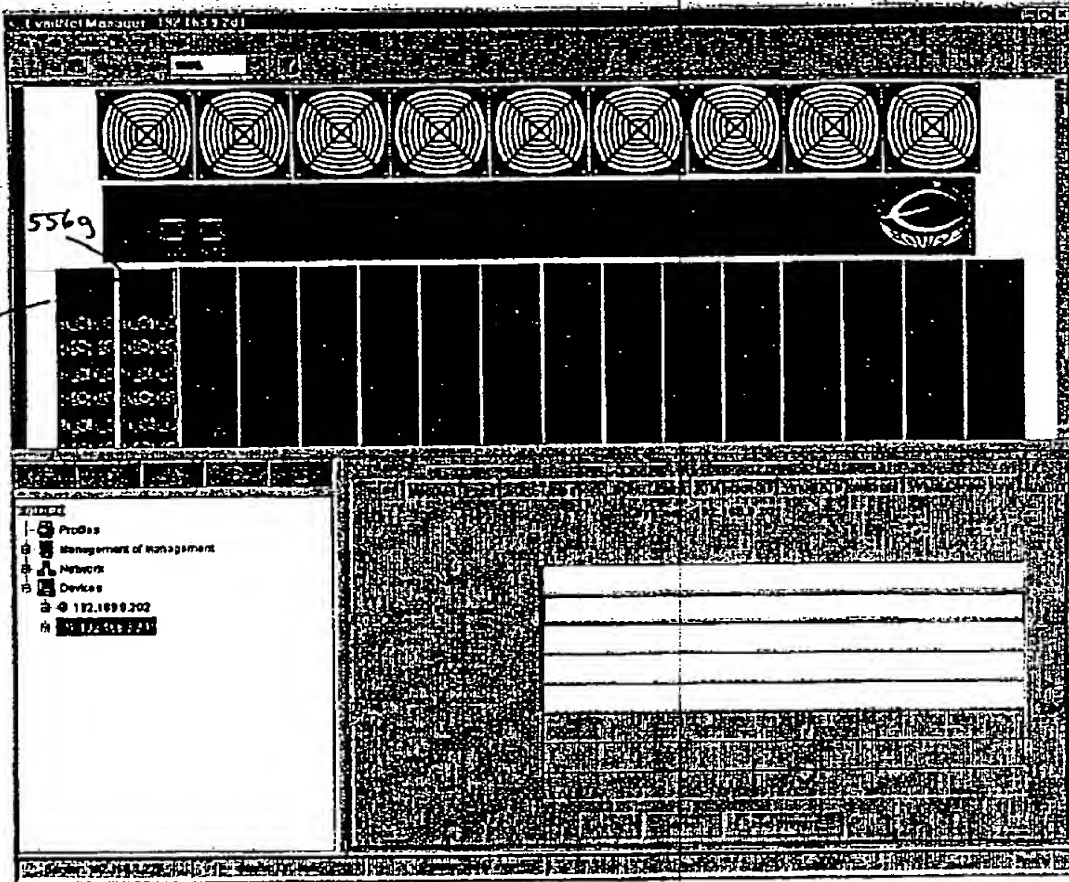


Fig. 6m

895

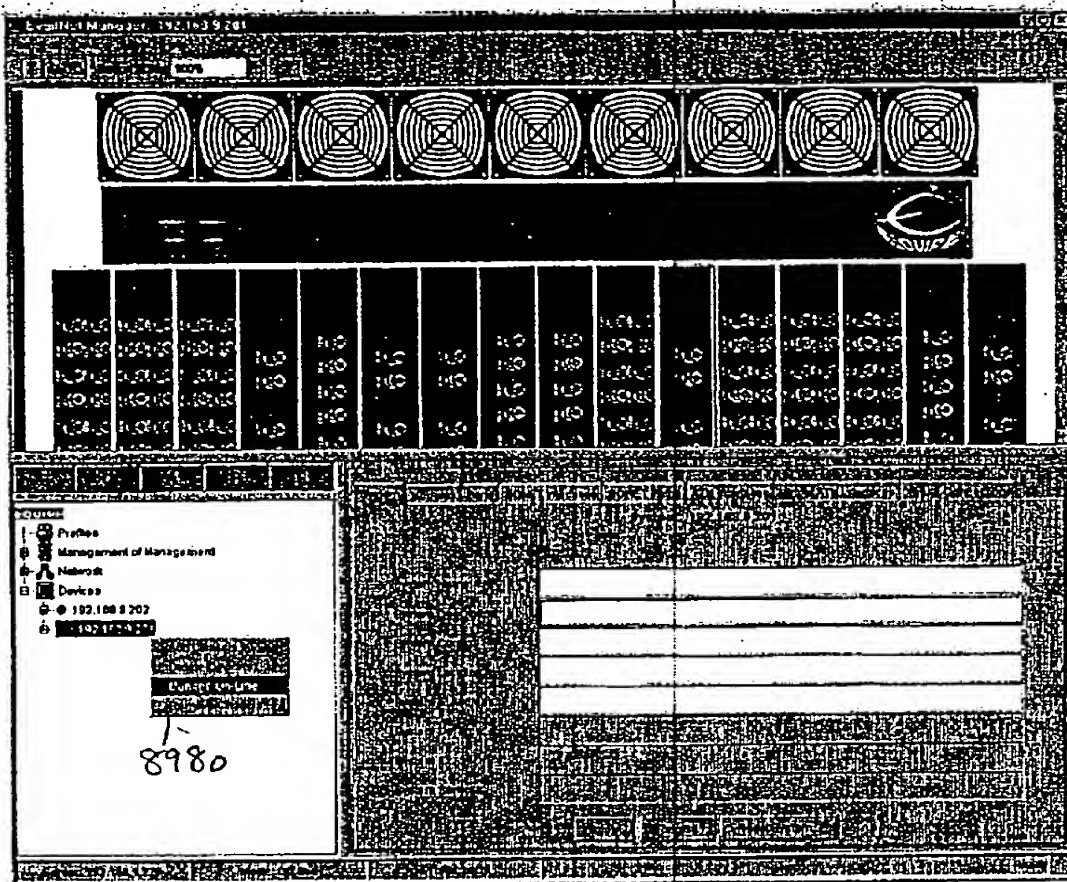


Fig. 6n

895

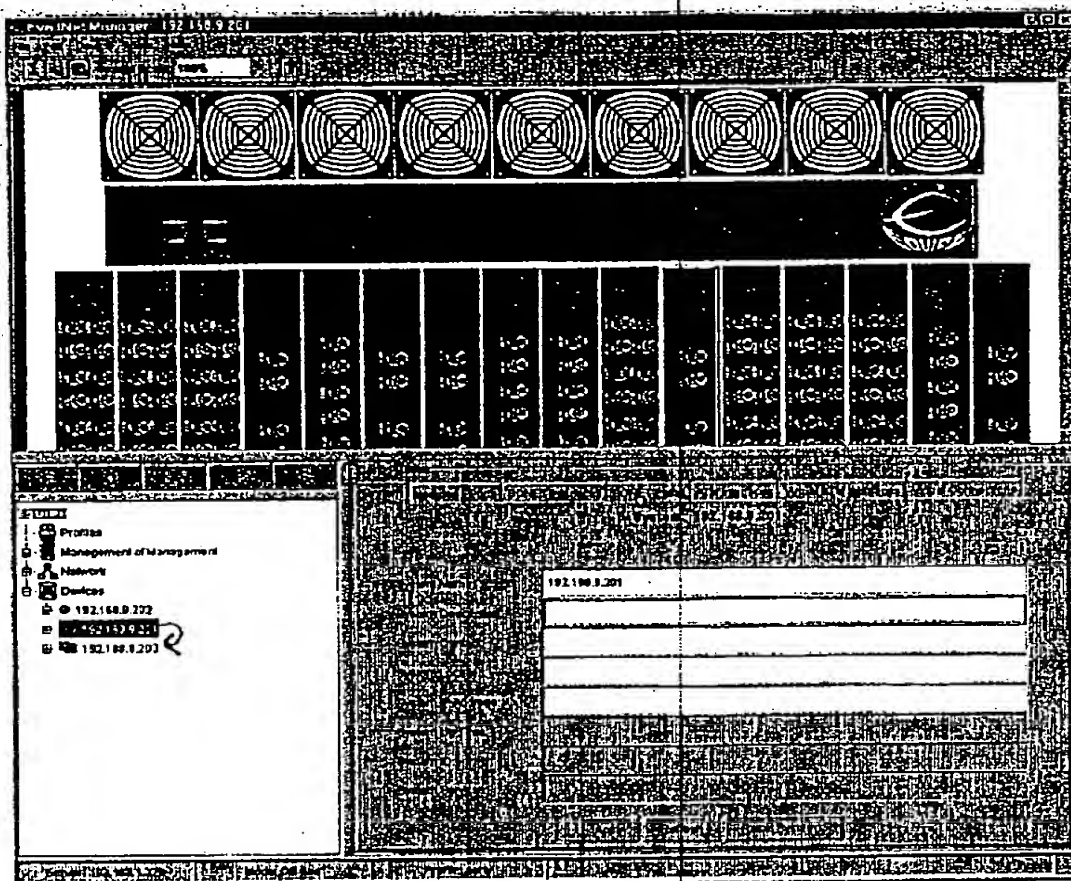


Fig. 60

895

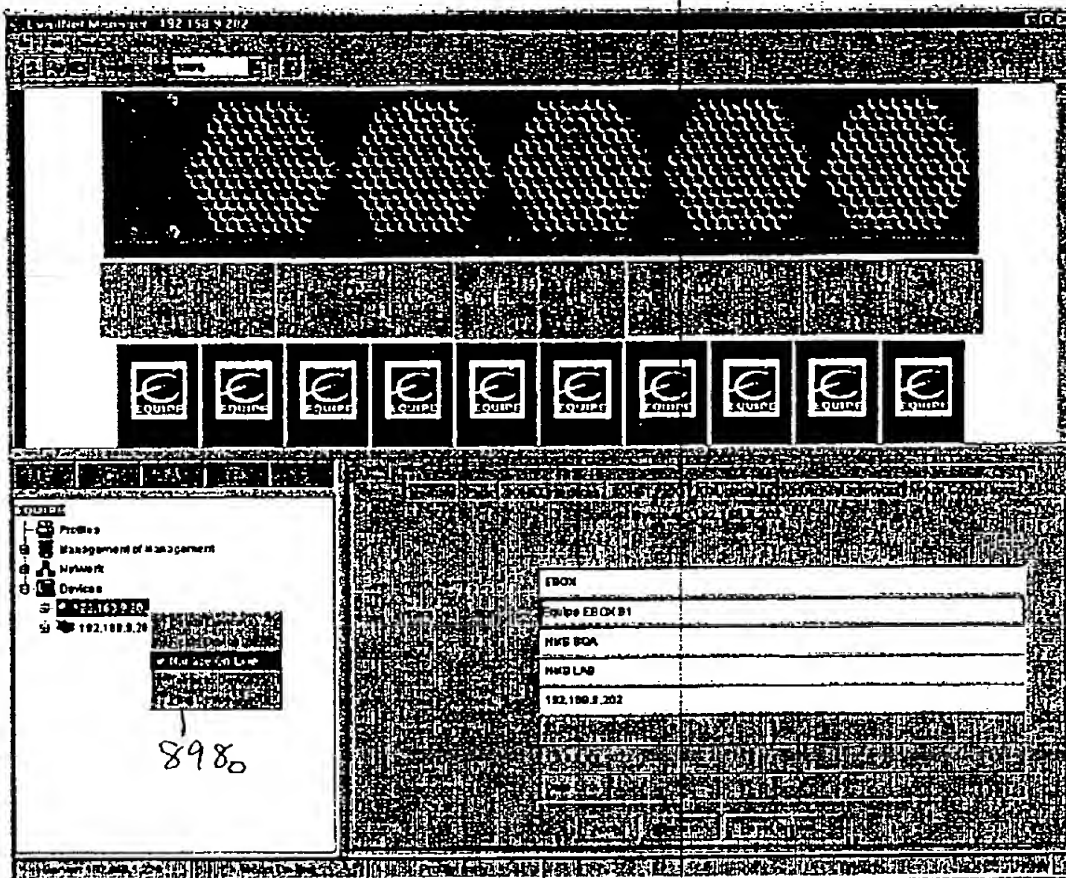


Fig. 6P

895

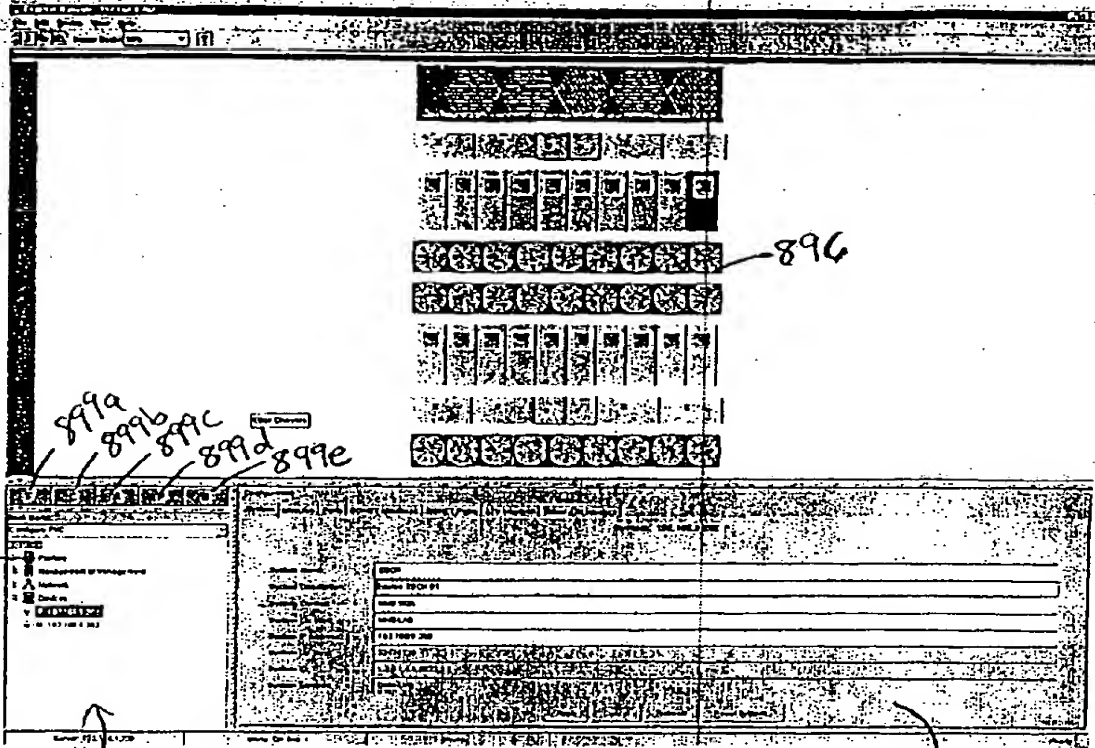


Fig. 7a

— 000

Fig. 7b

[illegible]

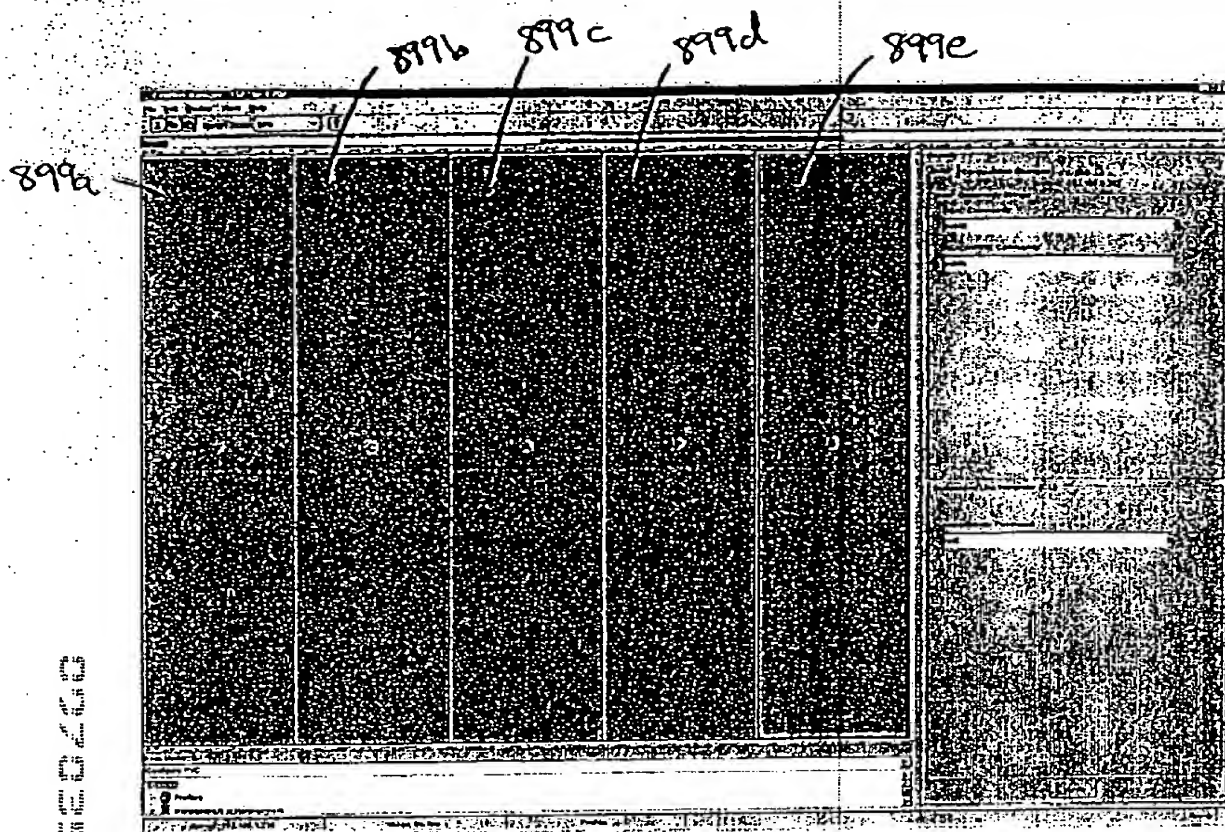


Fig. 7c

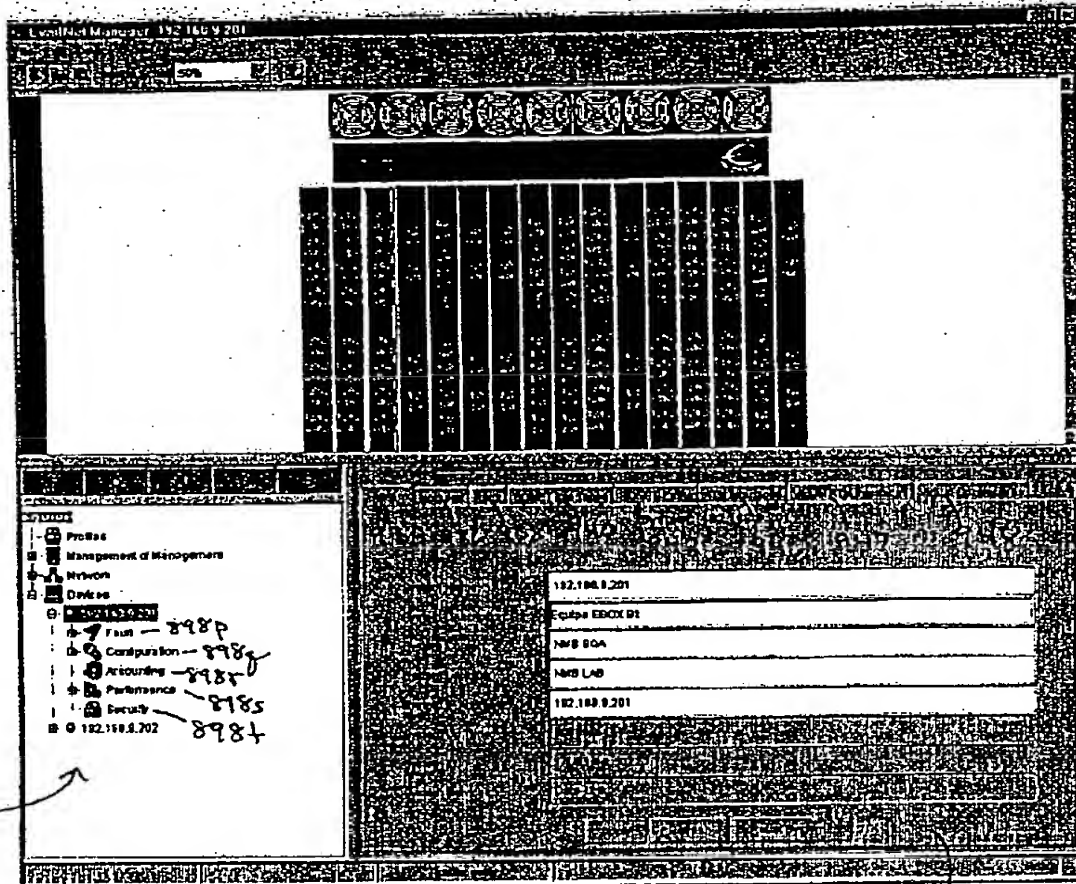
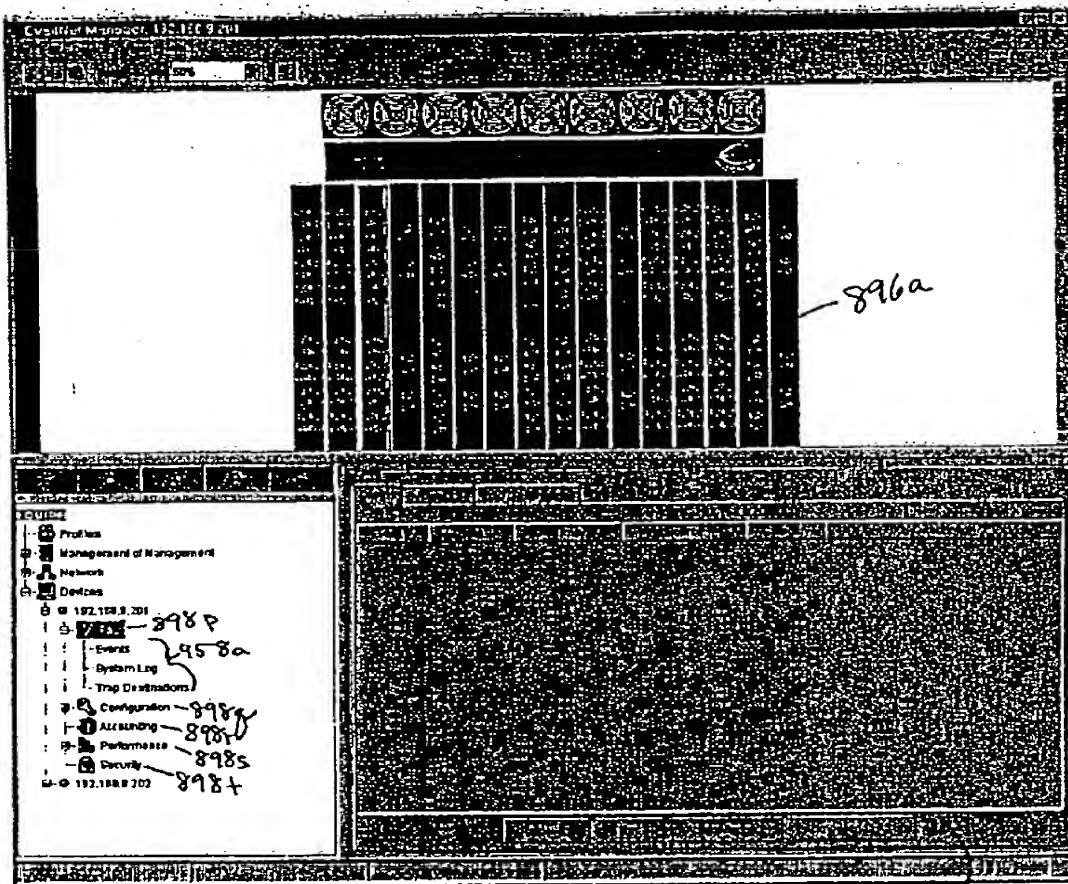


Fig. 7d

✓ 895



897

Fig. 7e

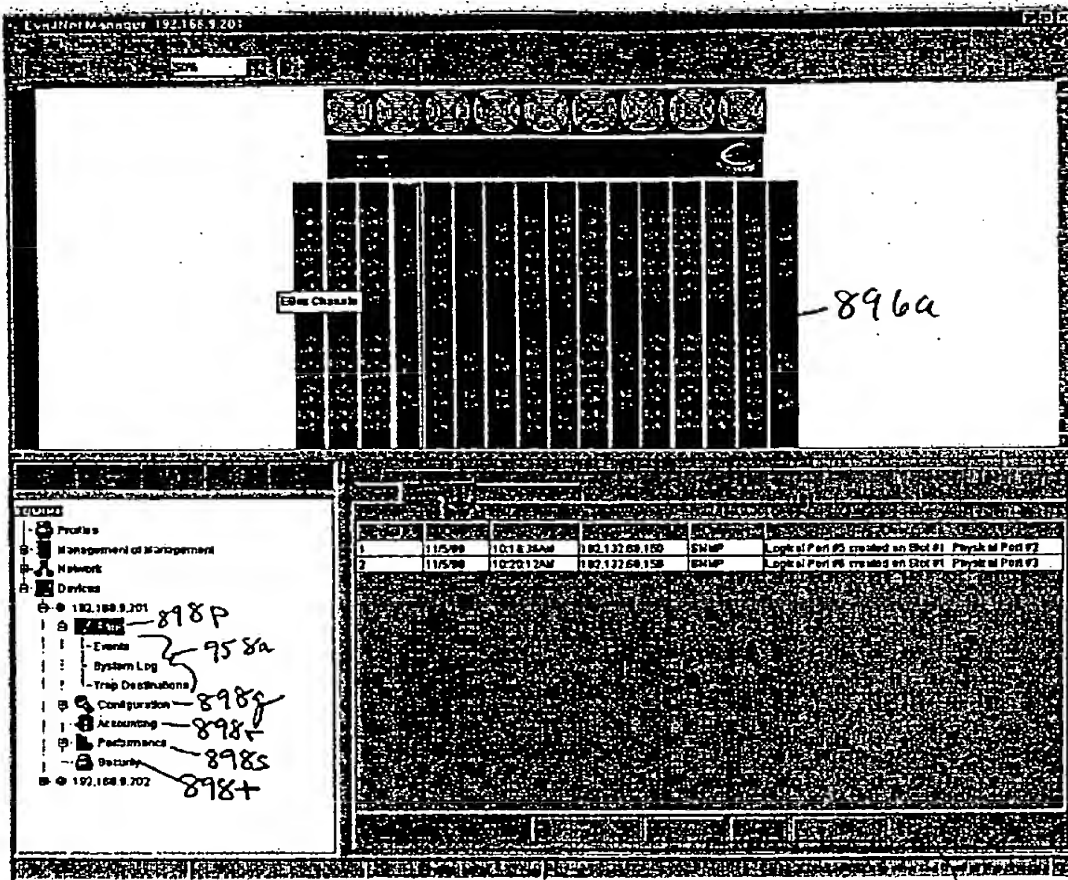


Fig. 78

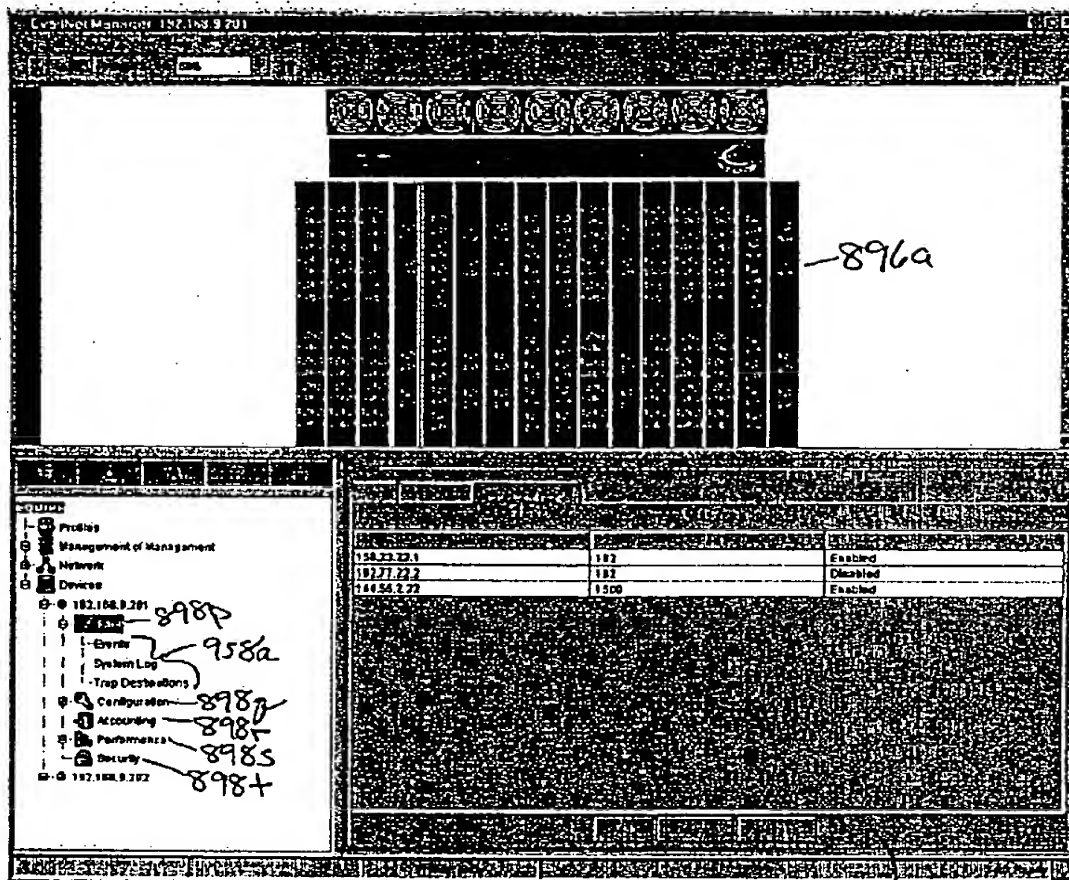
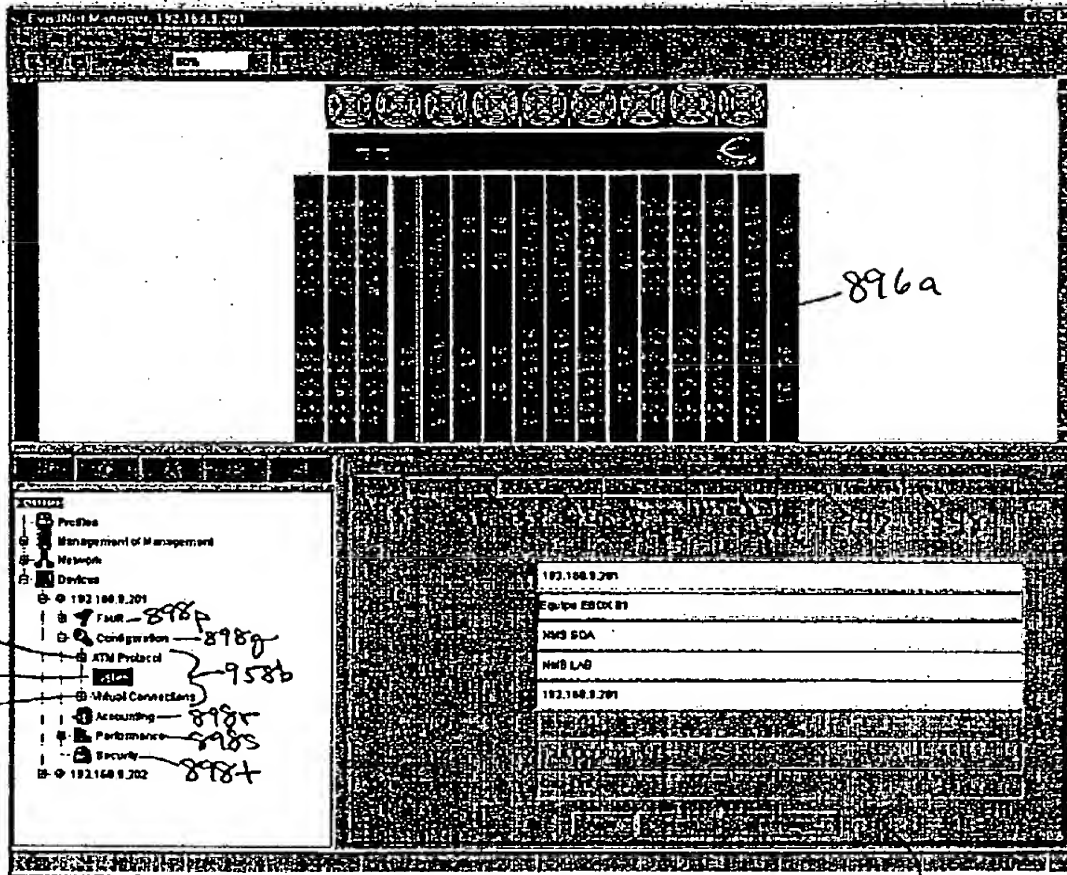


Fig. 7g

895



897

Fig. 7b

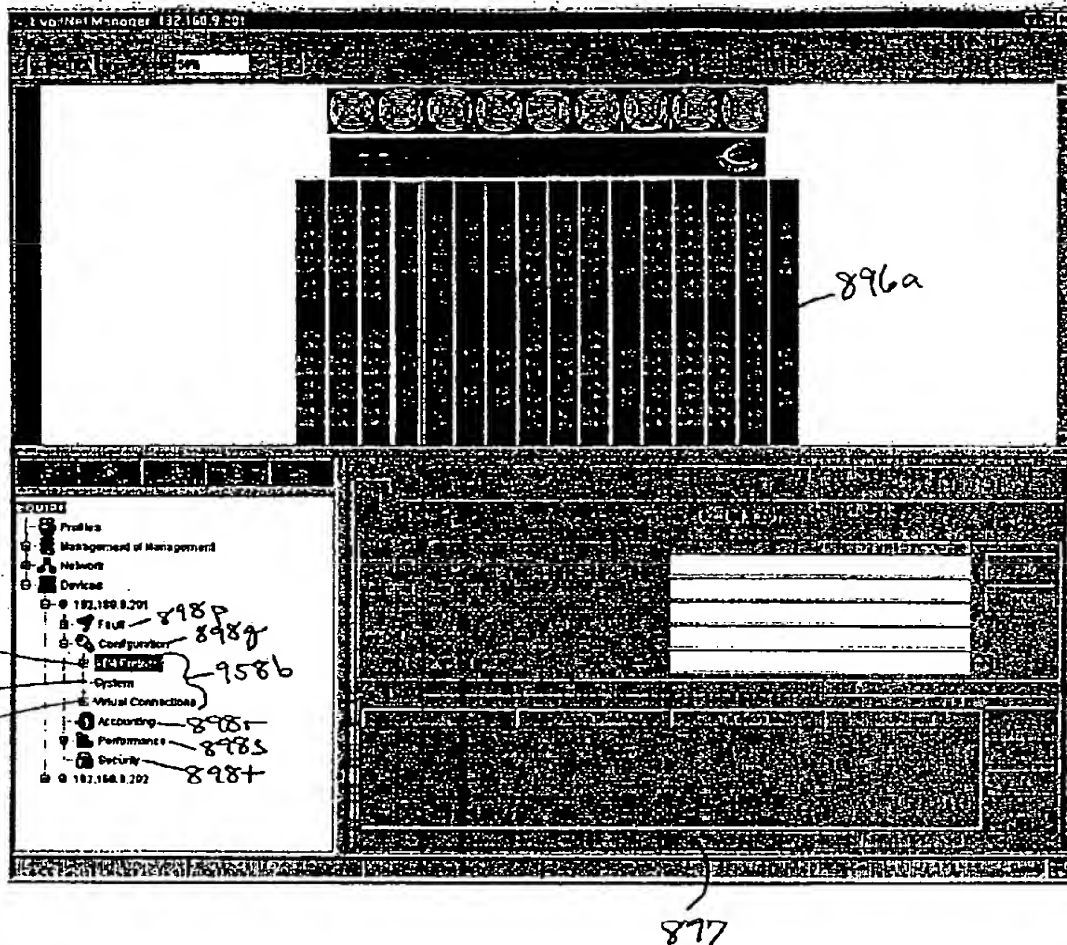


Fig. 7i

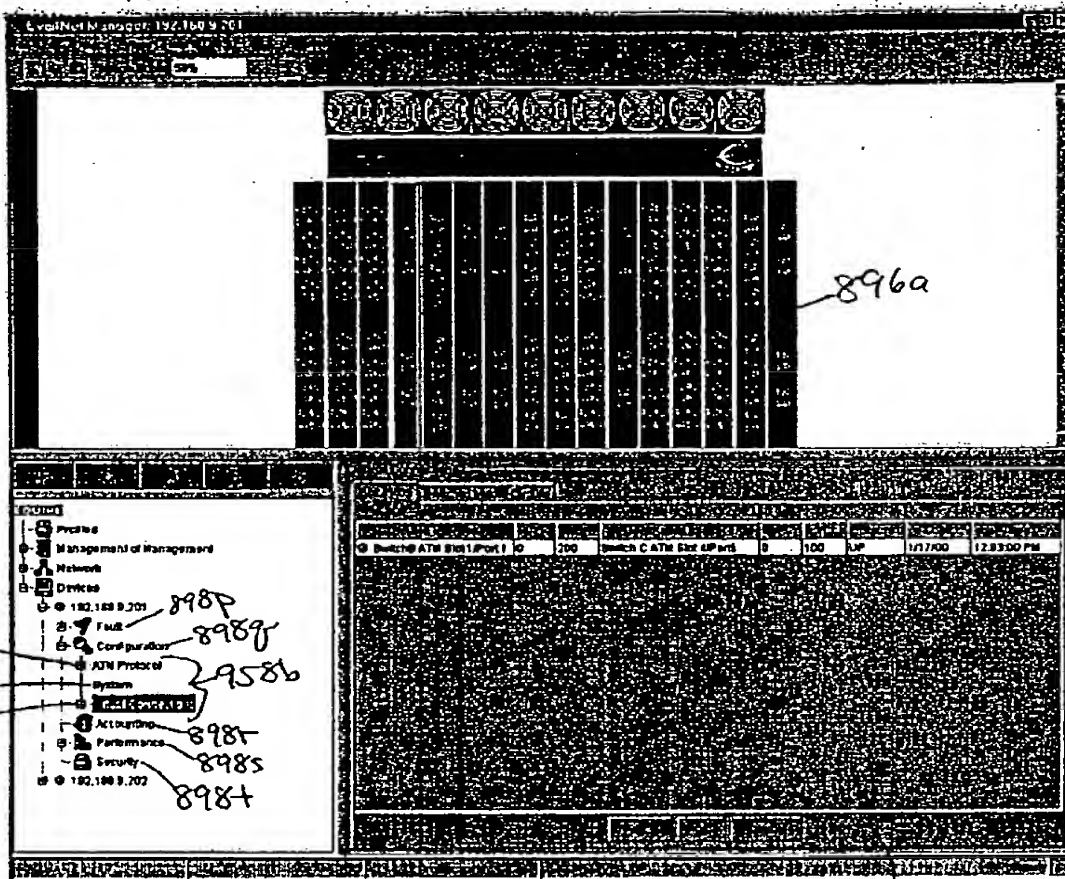


Fig. 7j

895

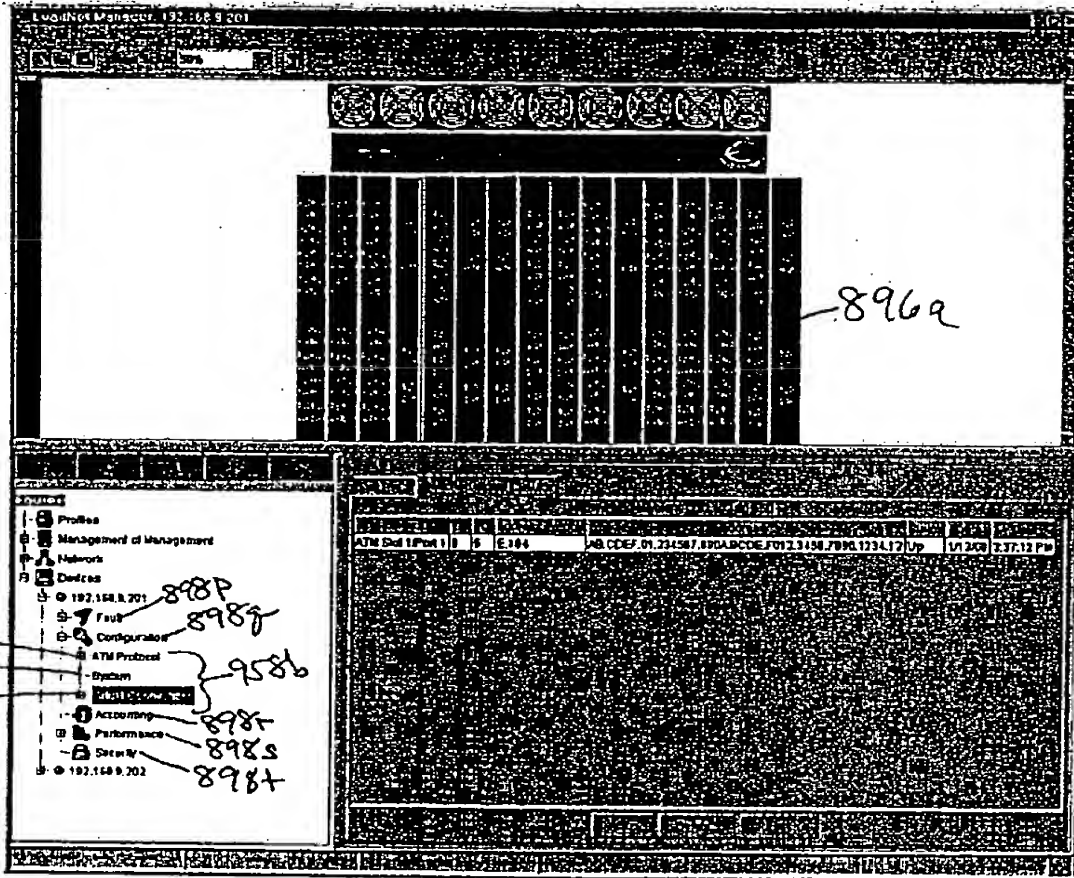


Fig. 7K

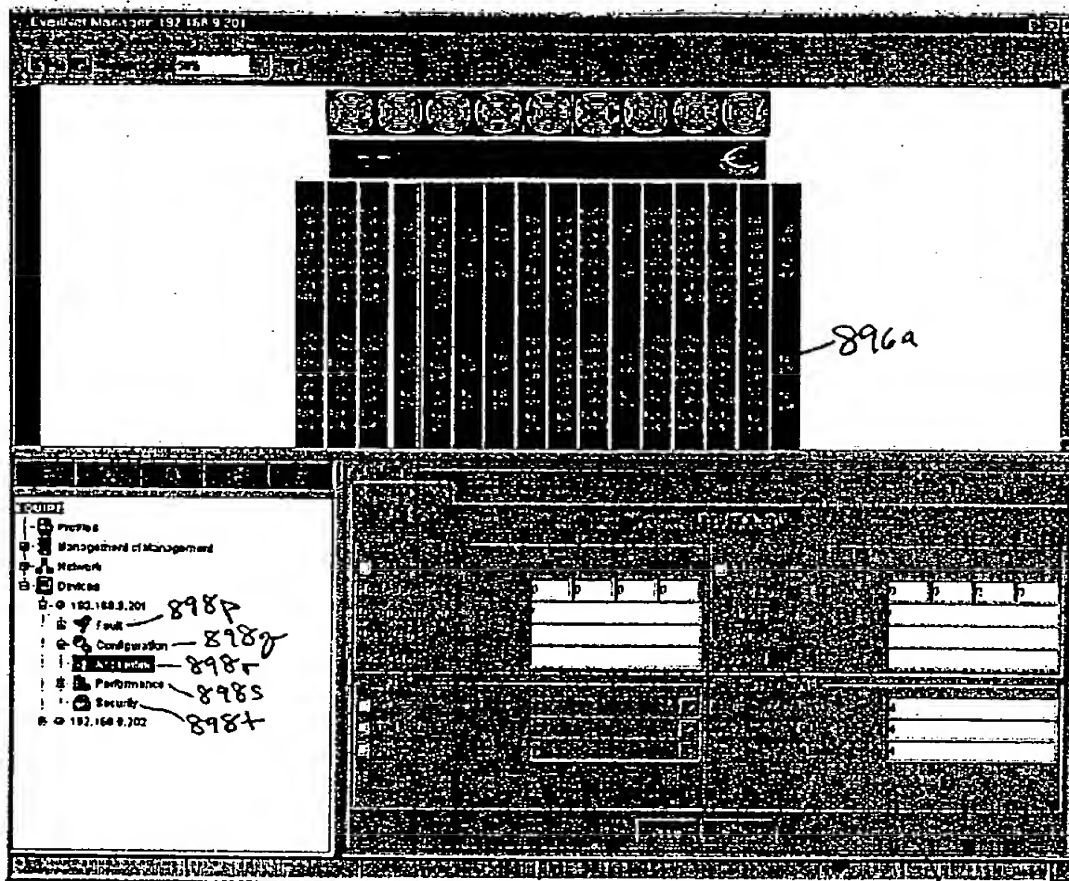


Fig. 7L

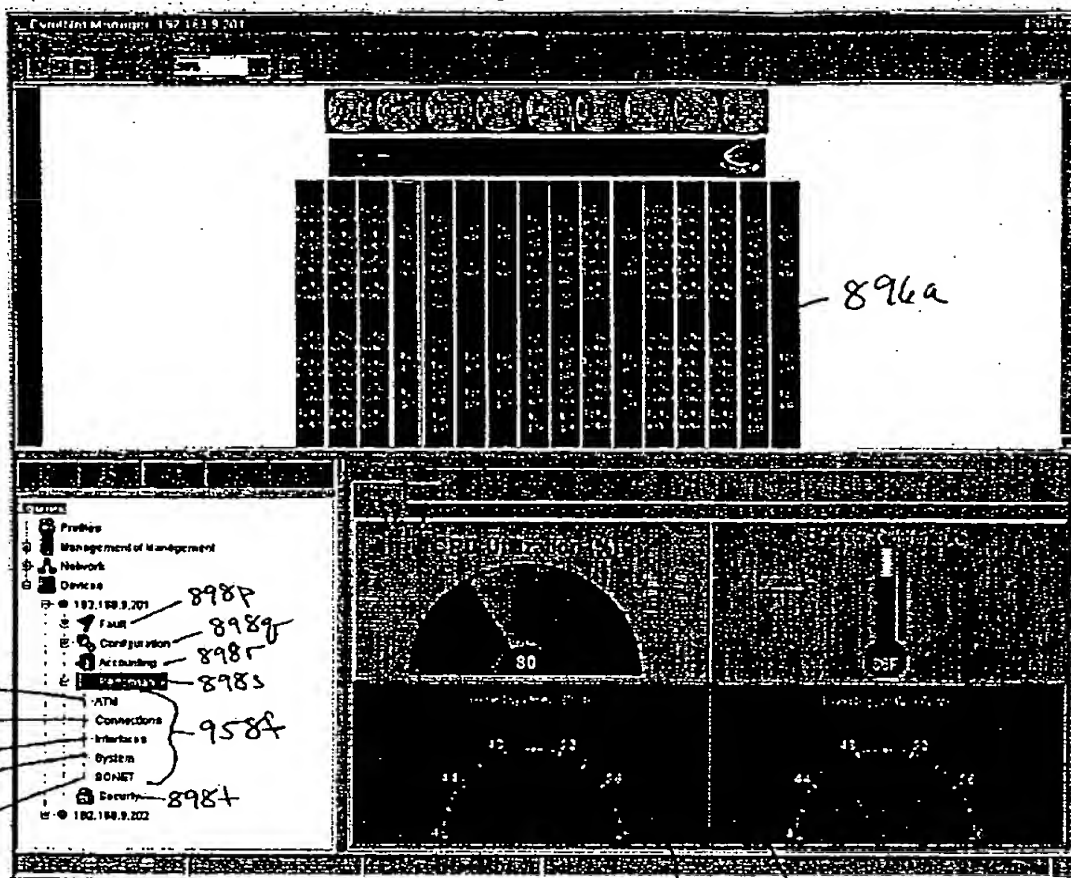


Fig. 7m

895

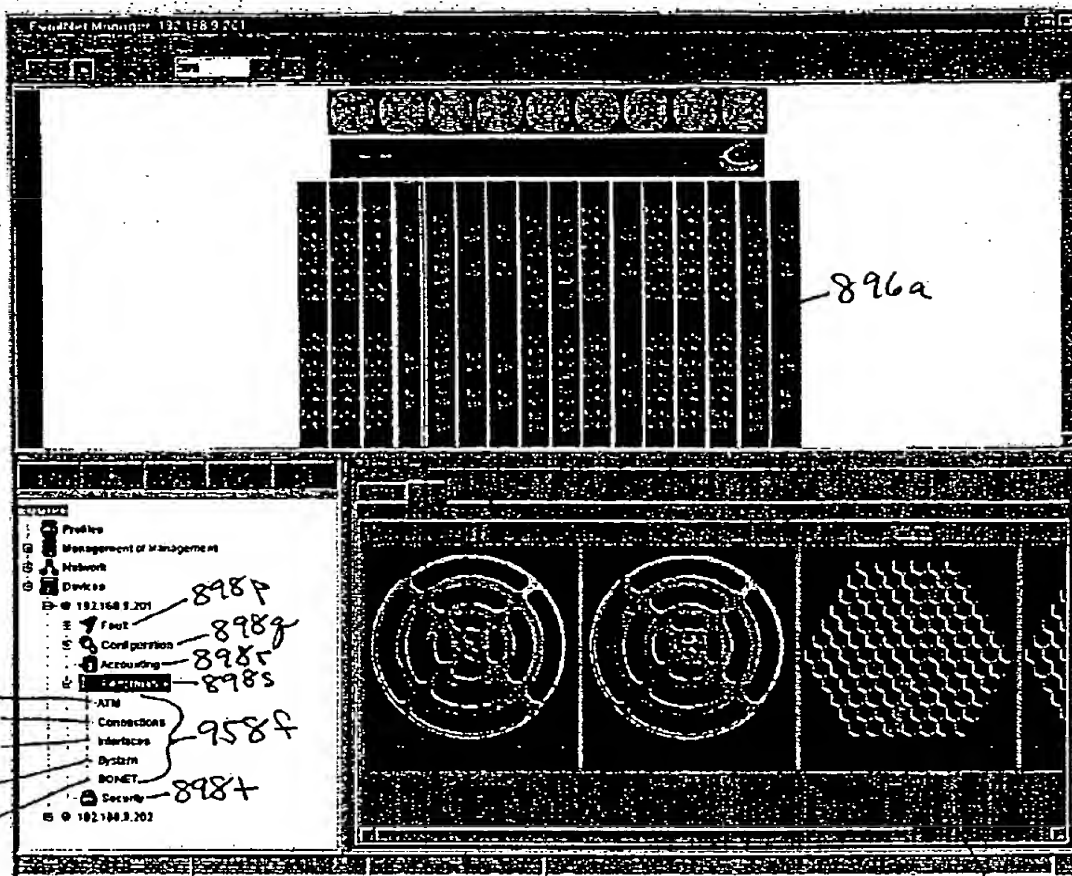


Fig. 7n

895

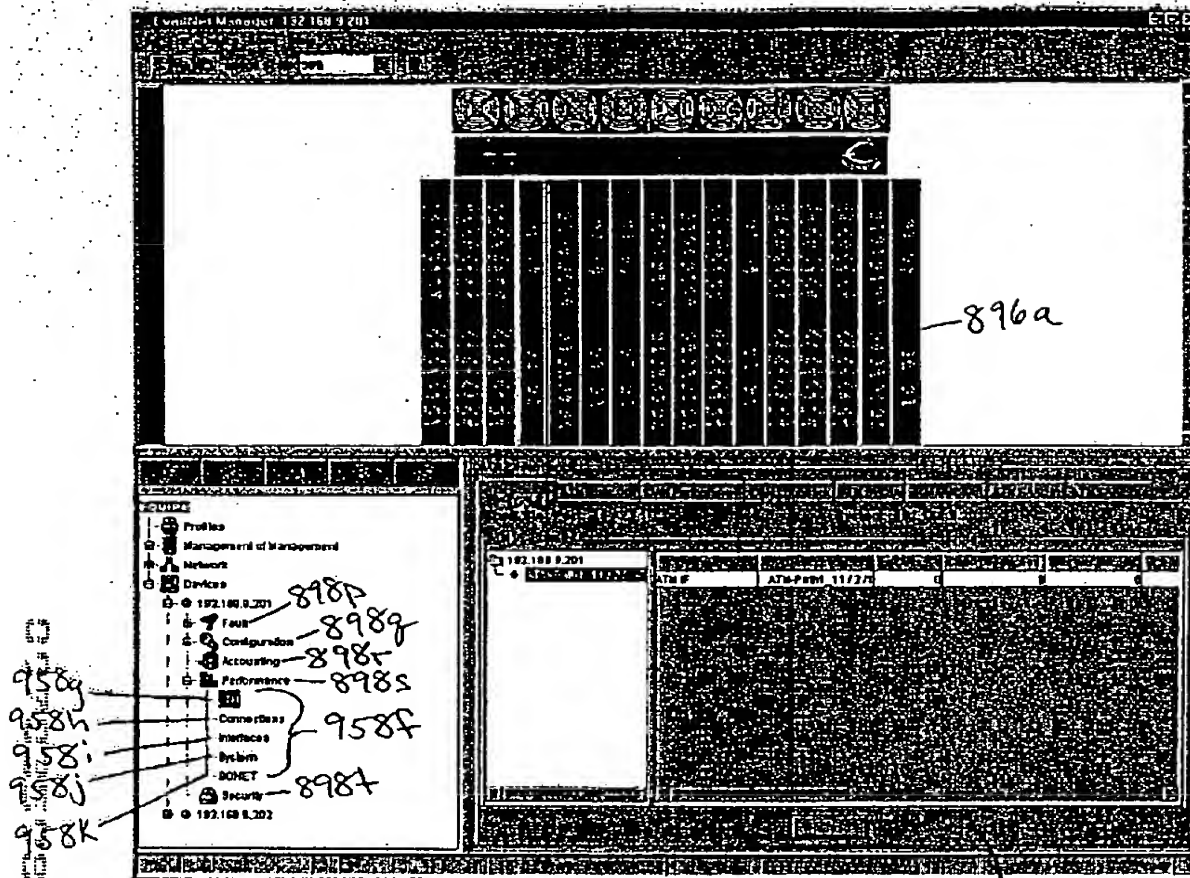


Fig. 70

895

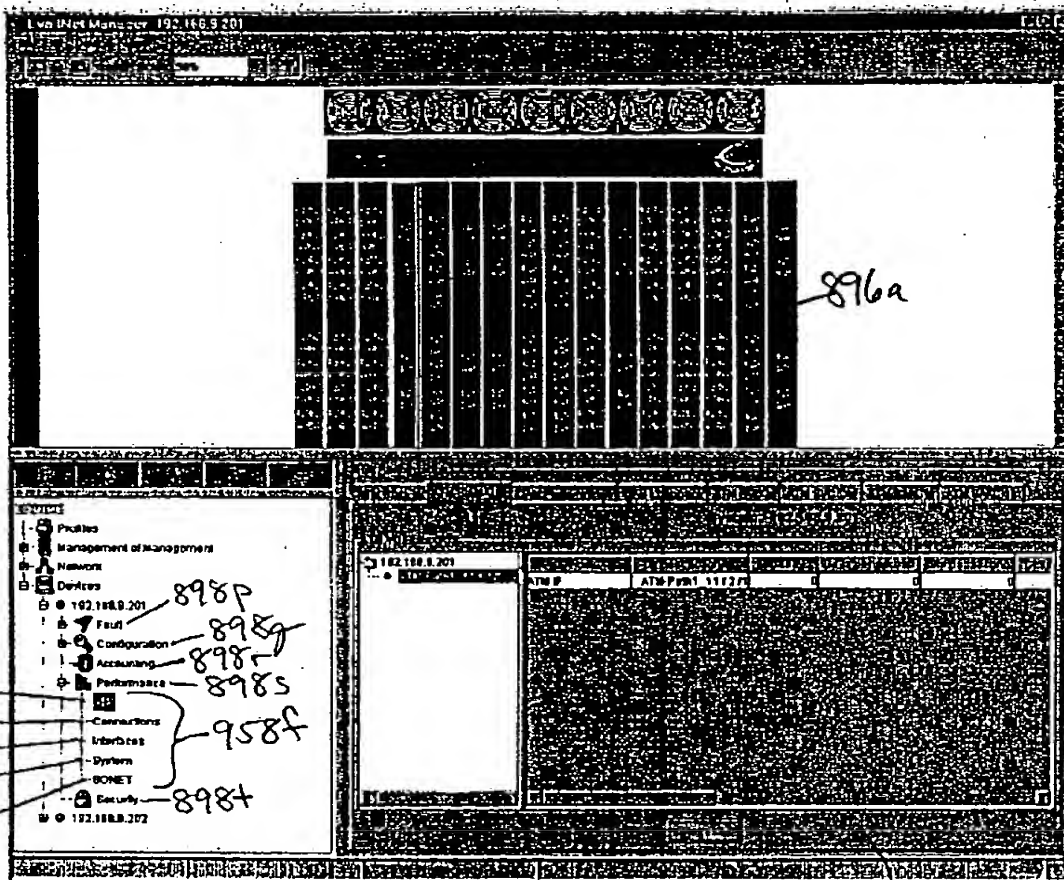


Fig. 7p

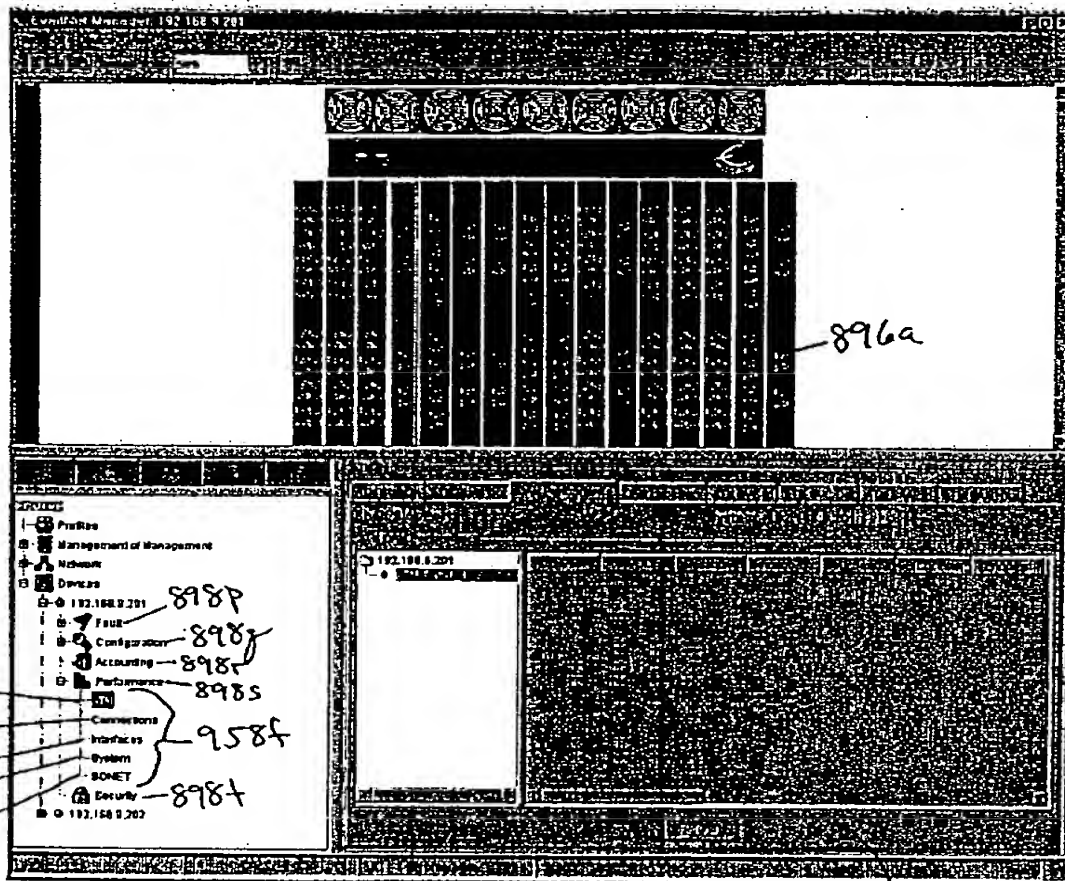


Fig. 7g

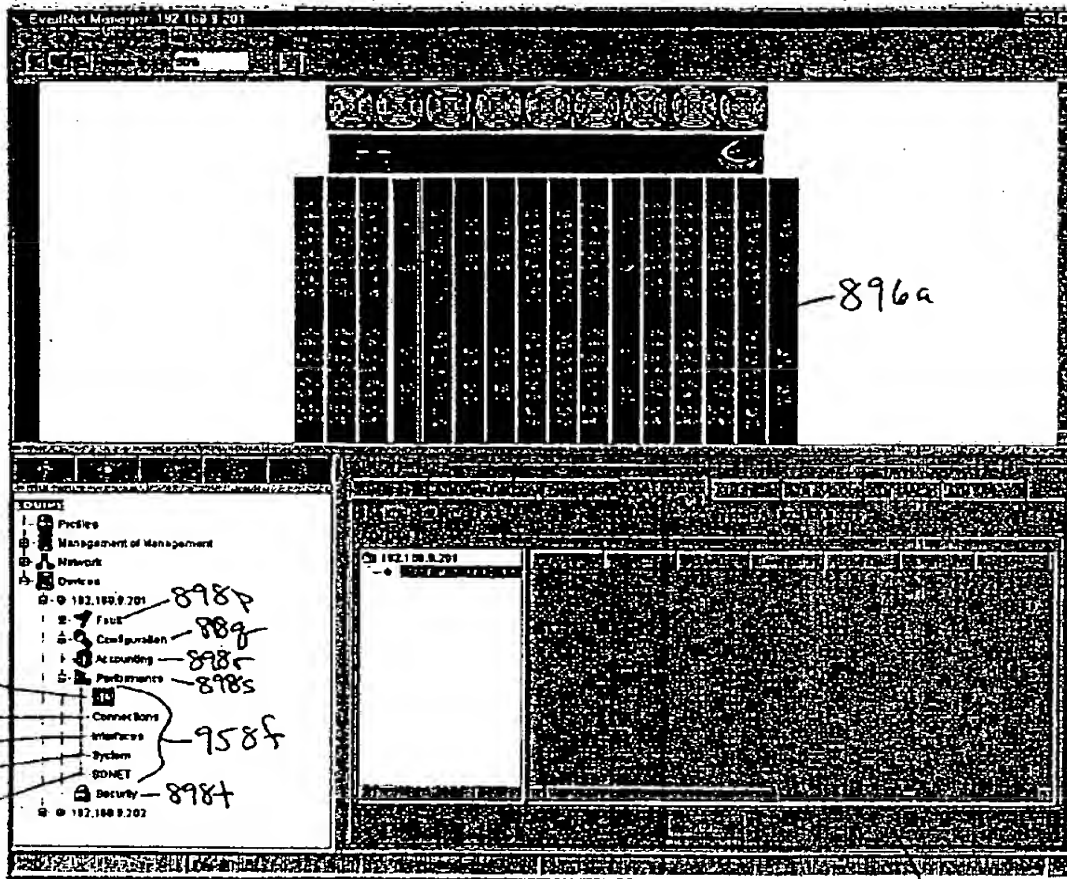
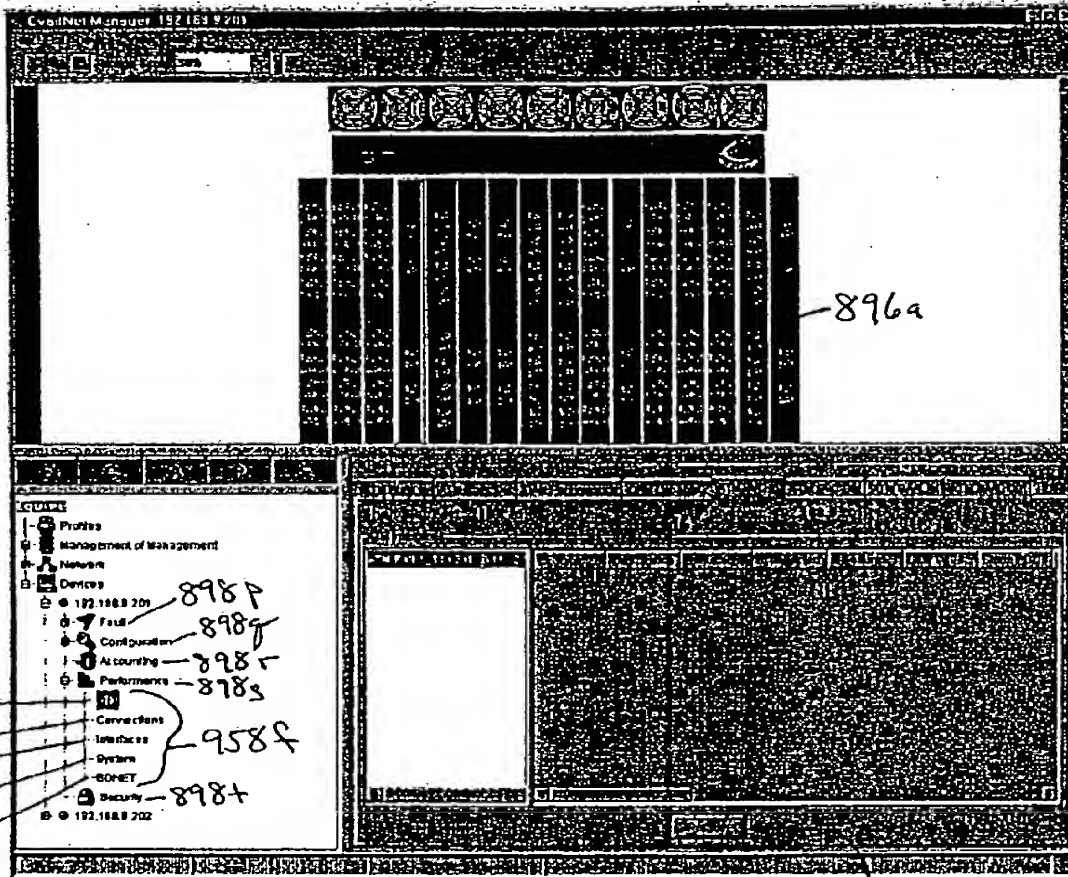


Fig. 7r

895



897

Fig. 7s



Fig. 7+

895

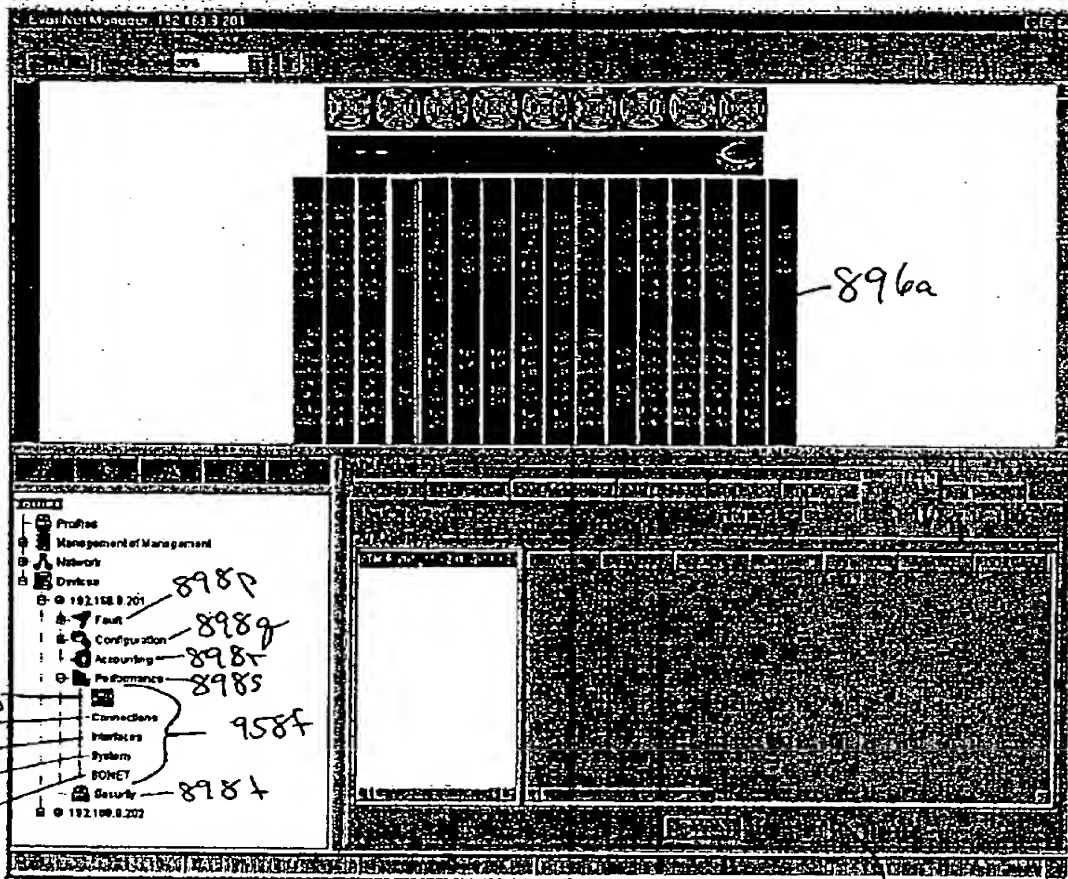


Fig. 7u

895

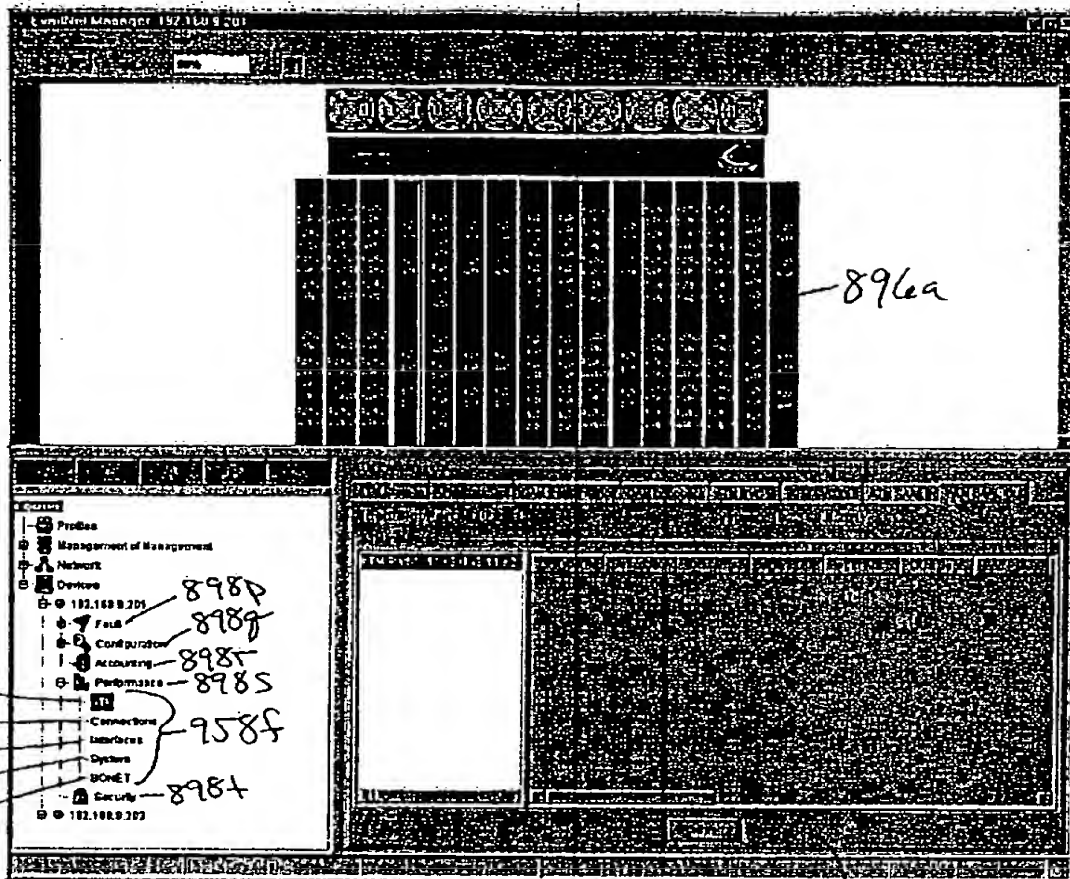


Fig. 7v

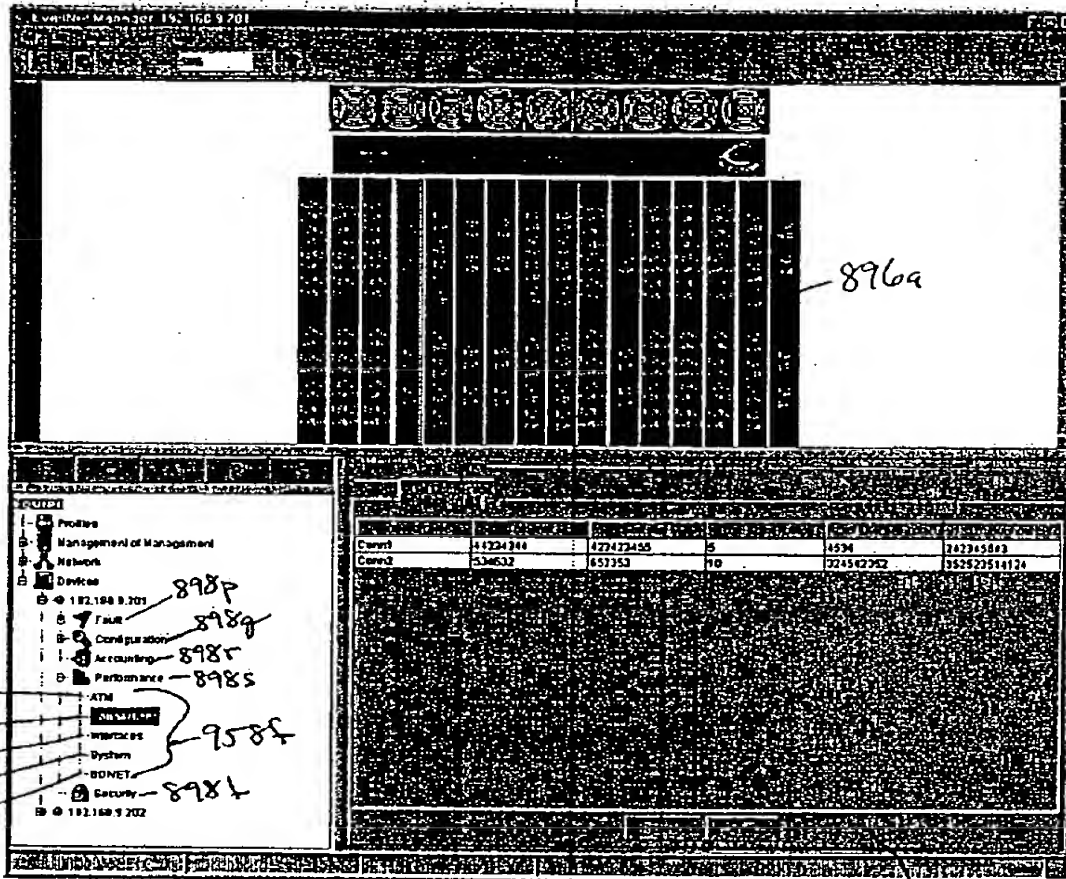
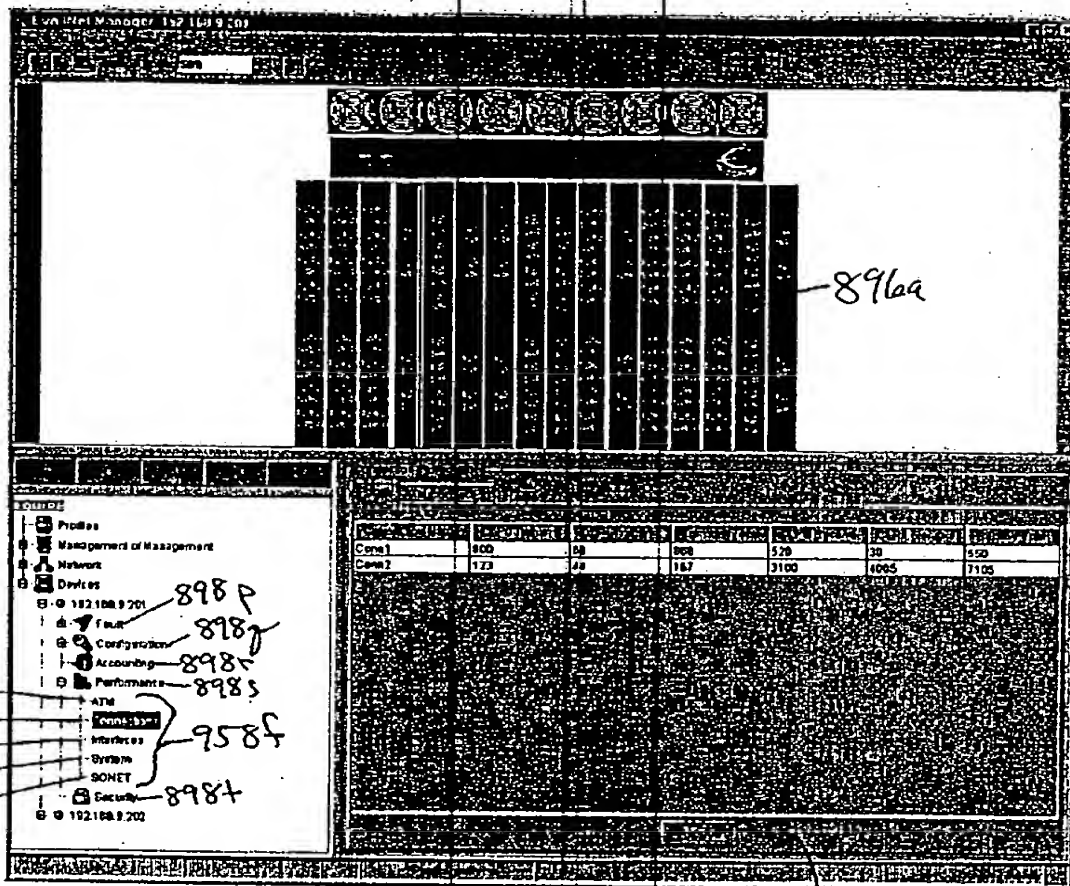


Fig. 7w

895



896a

897

Fig. 7x

895

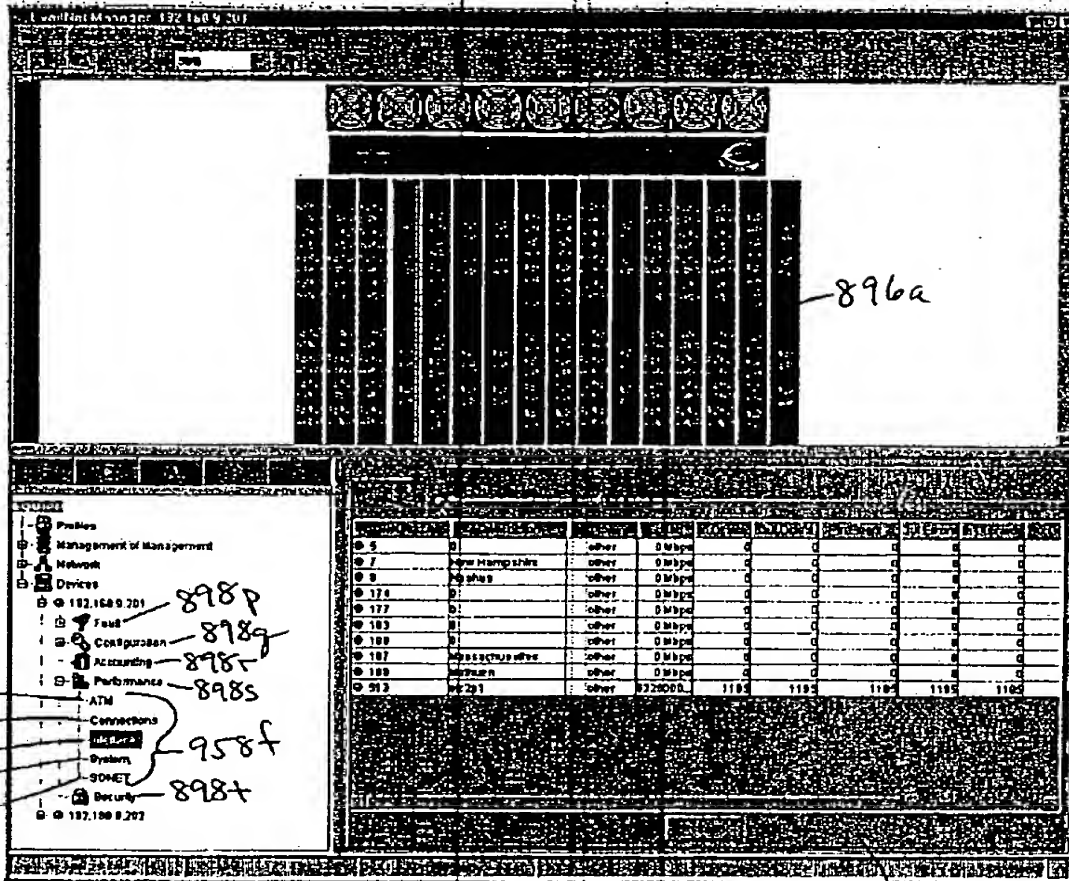


Fig. 7y

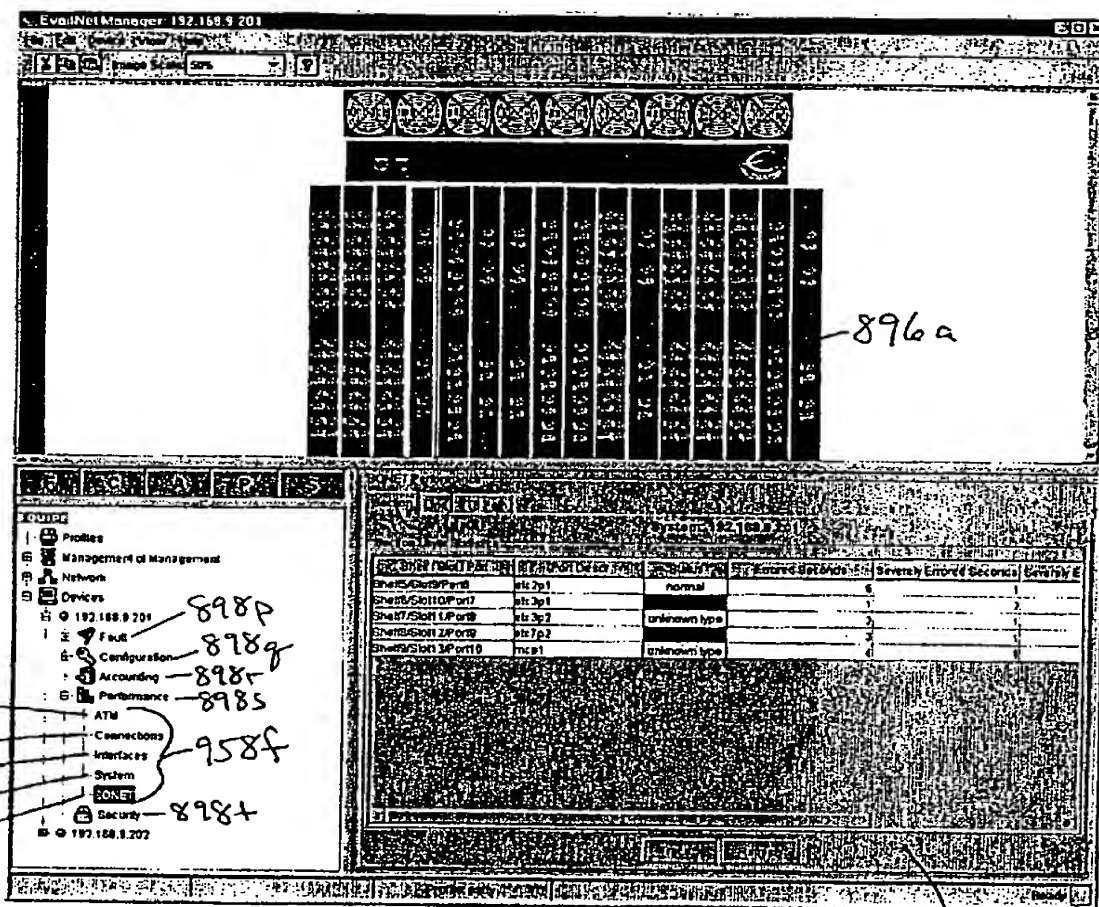


Fig. 8a

895

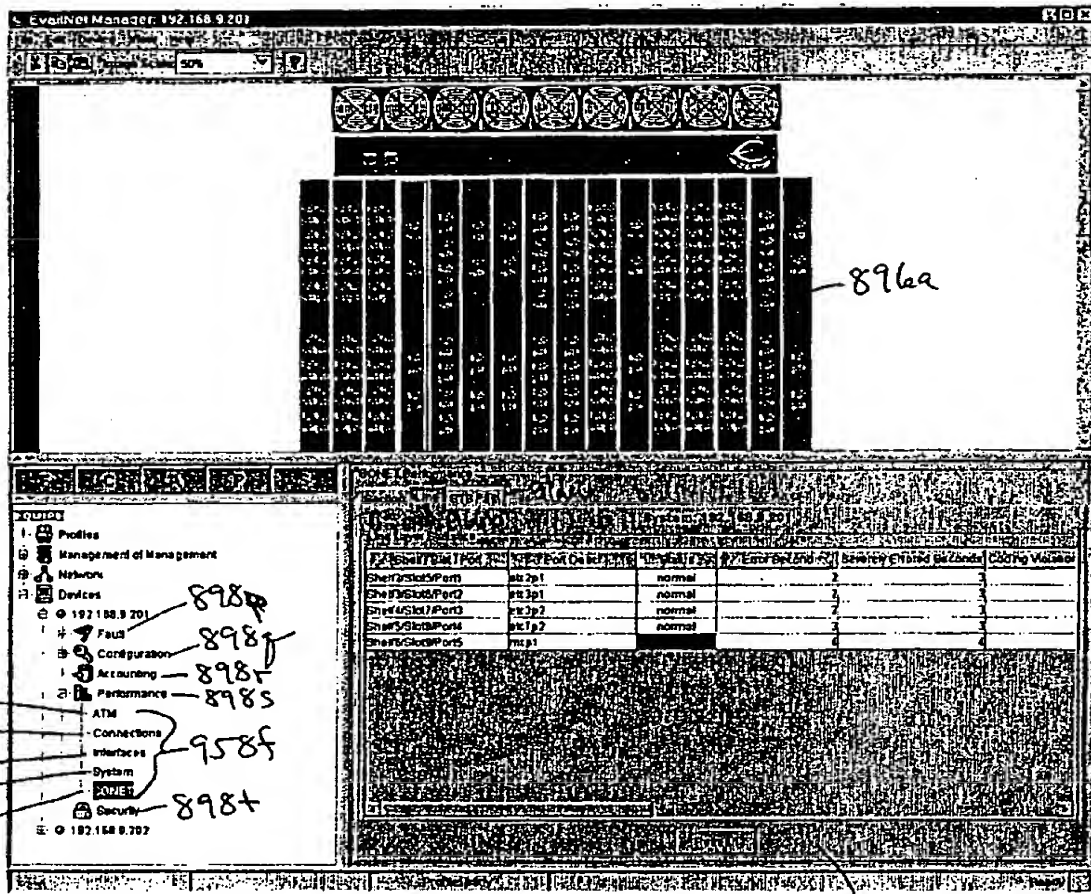
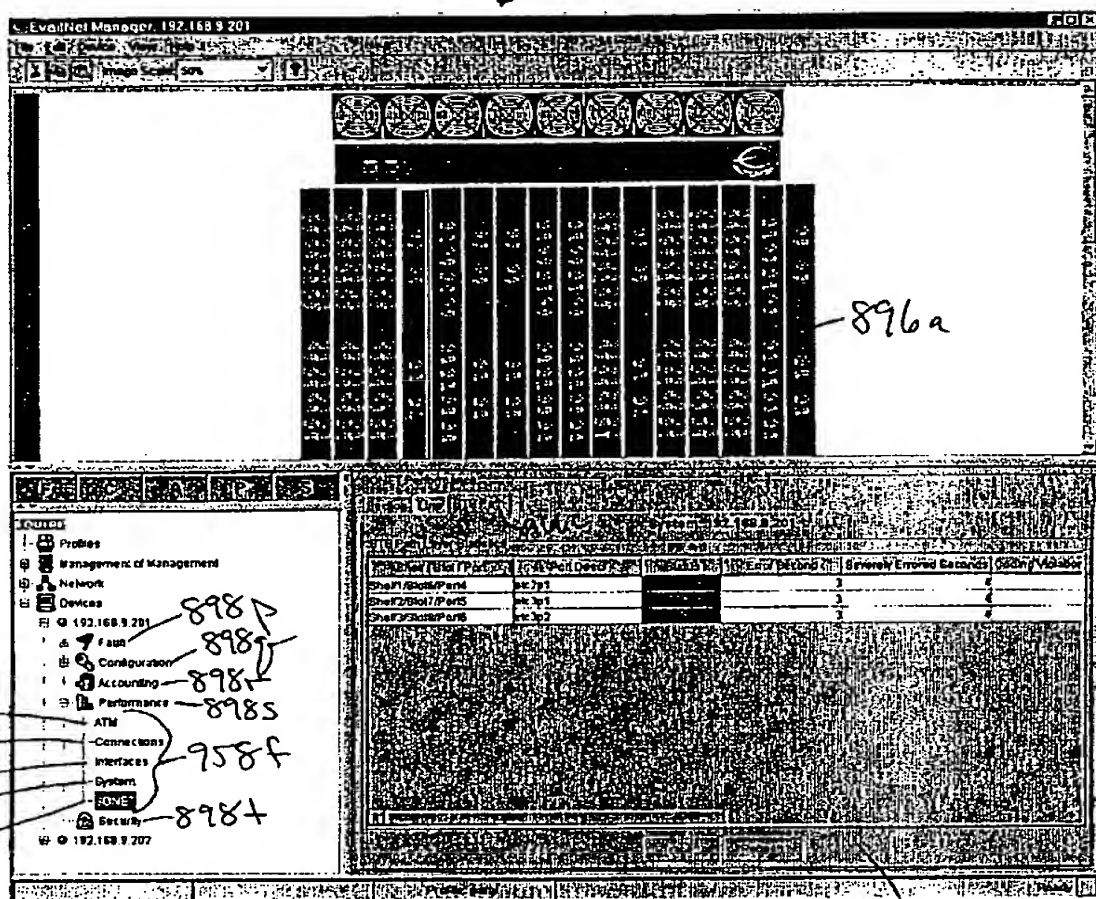


Fig. 86

↙ 895



897

Fig. 8c

895

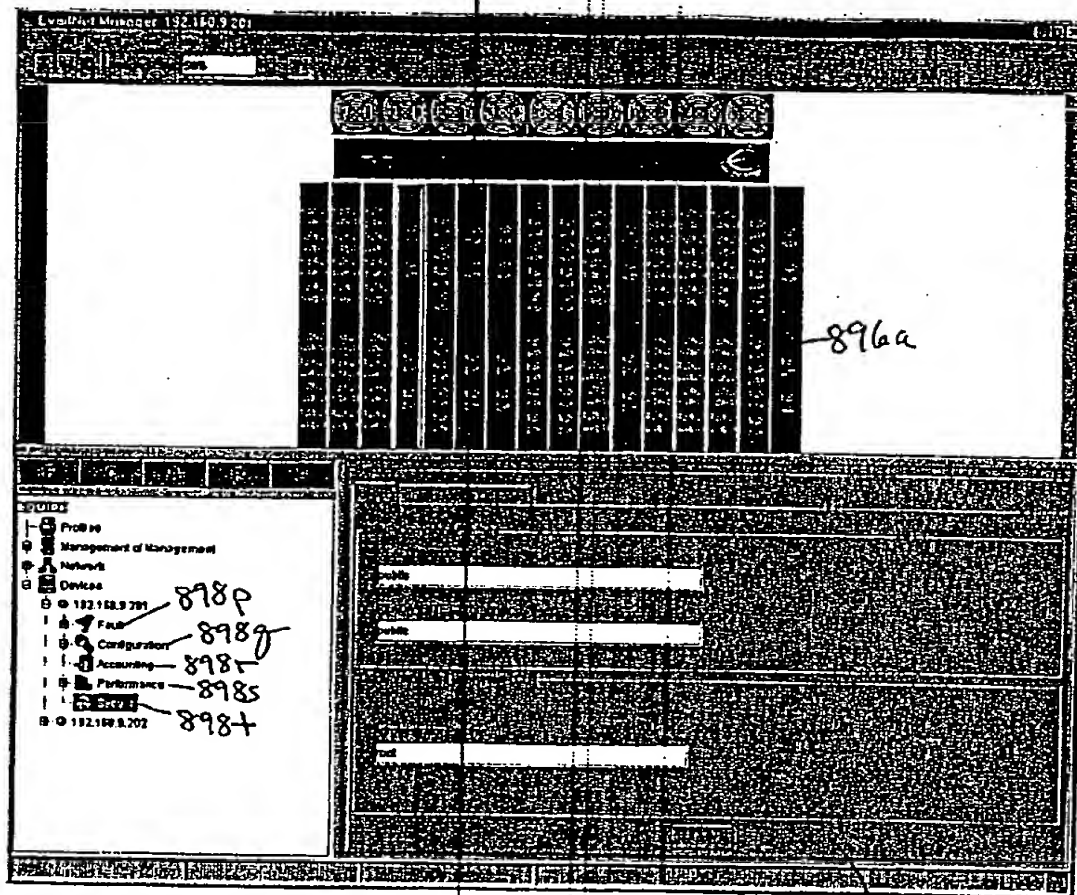
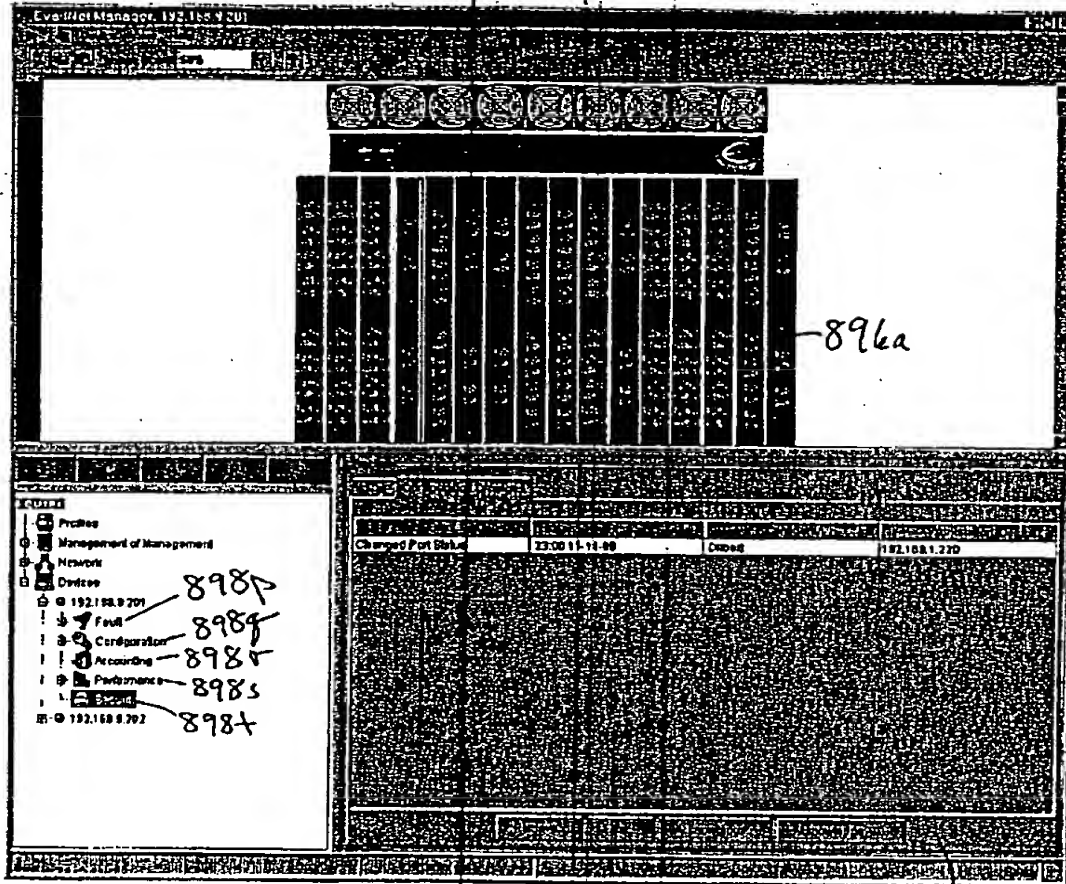


Fig. 8d



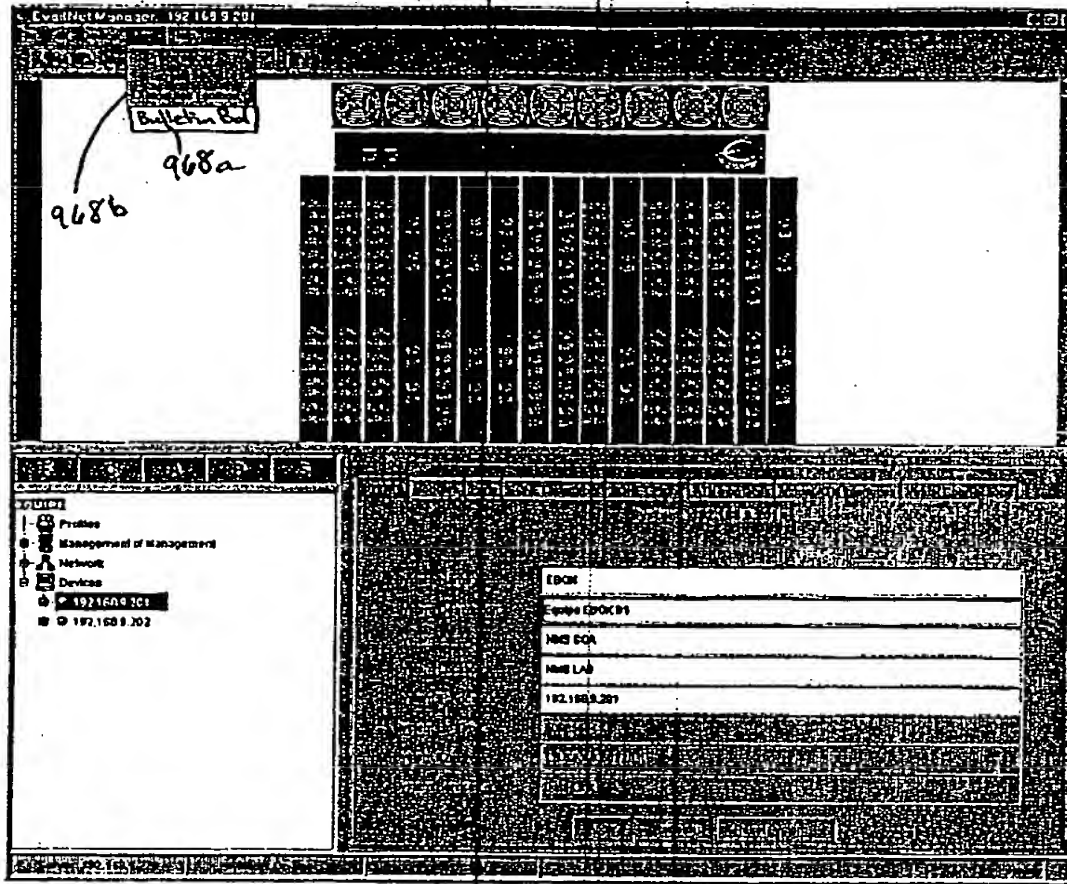


Fig. 9a

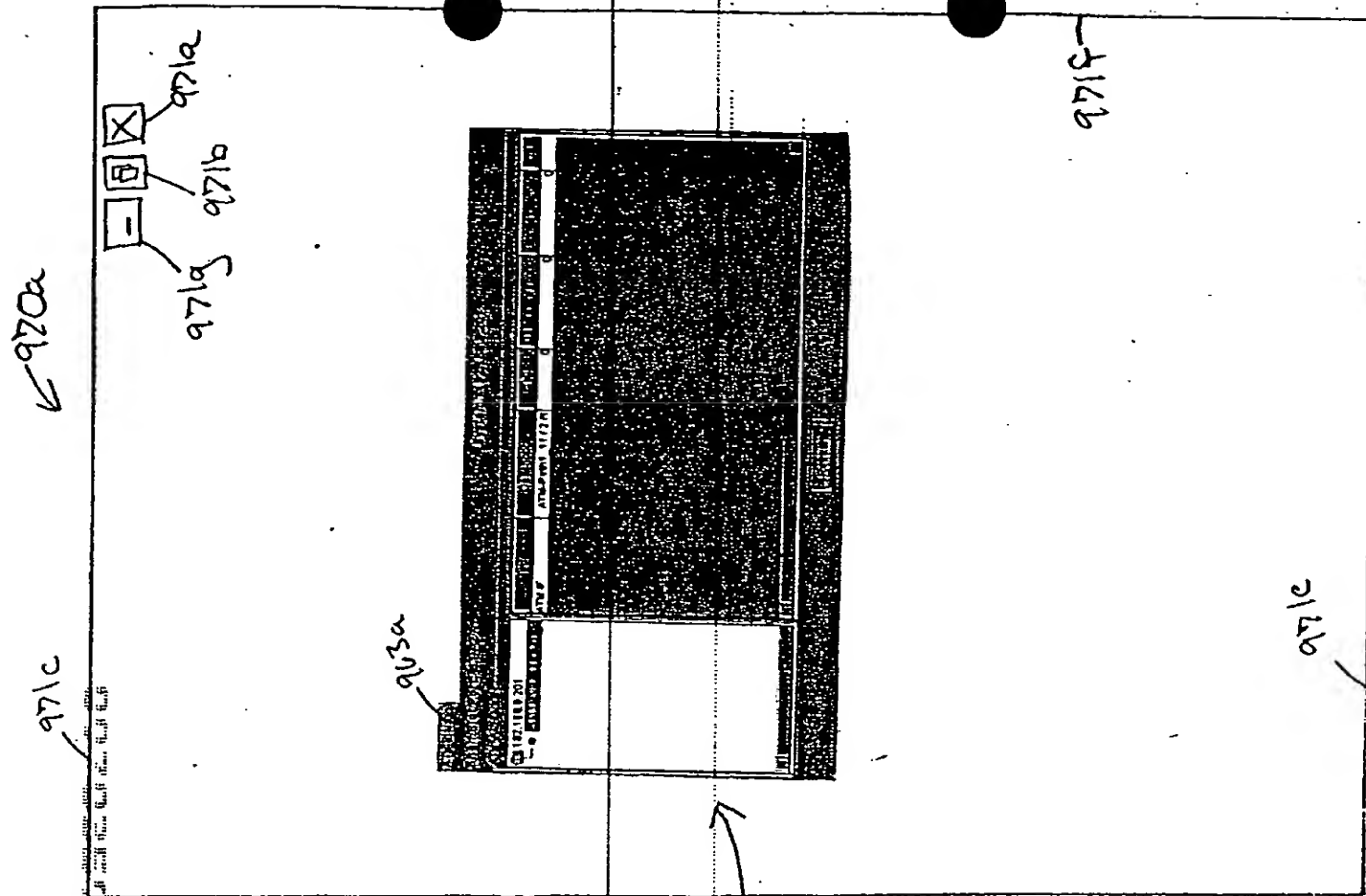
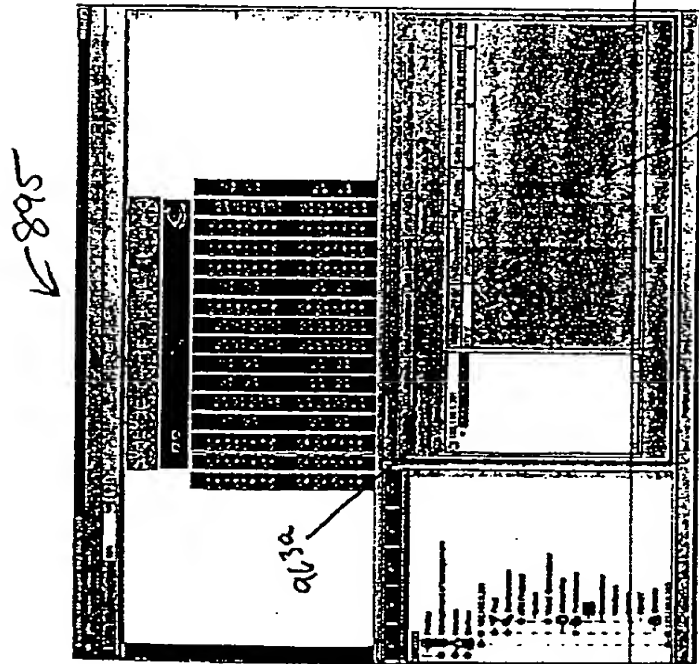
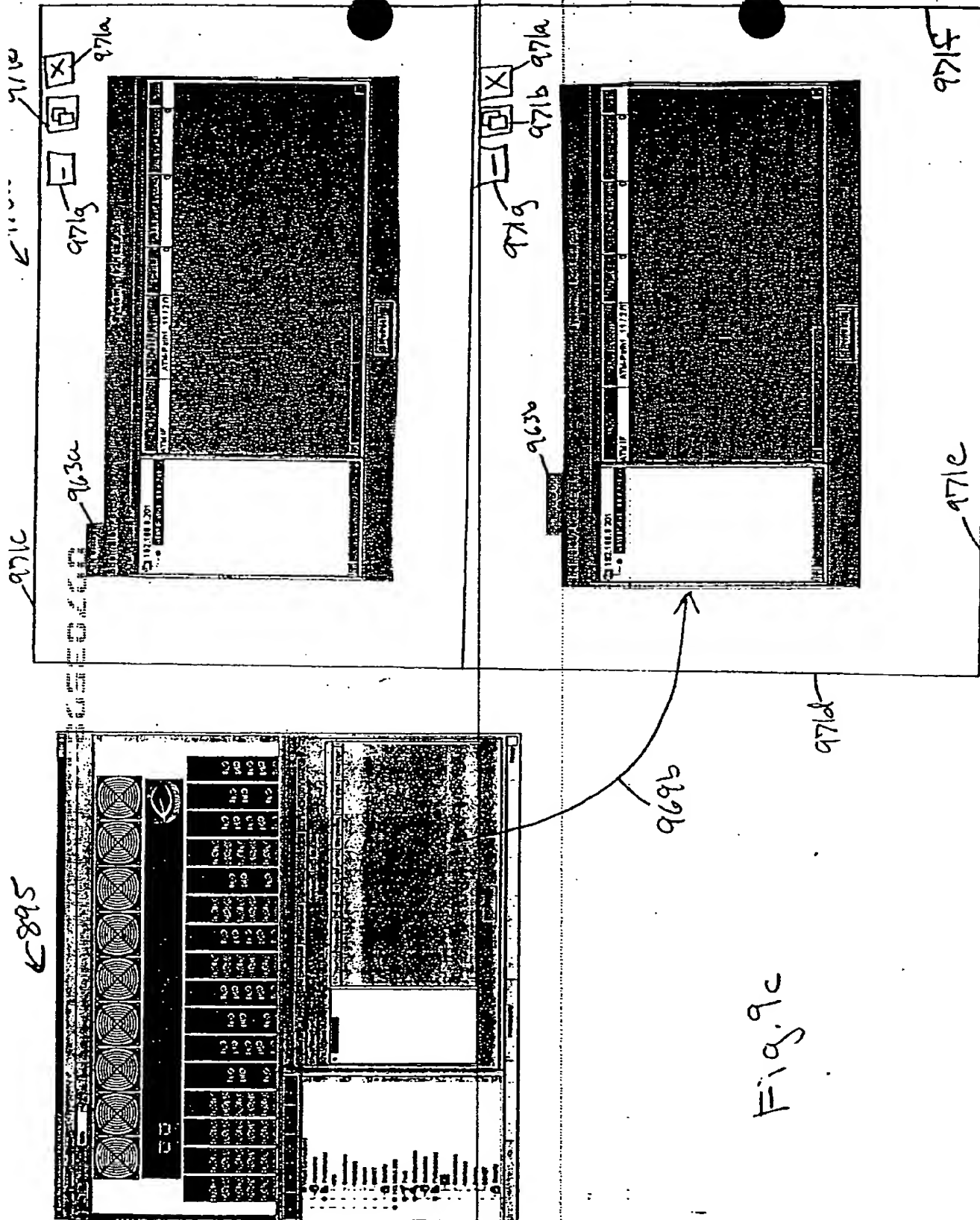
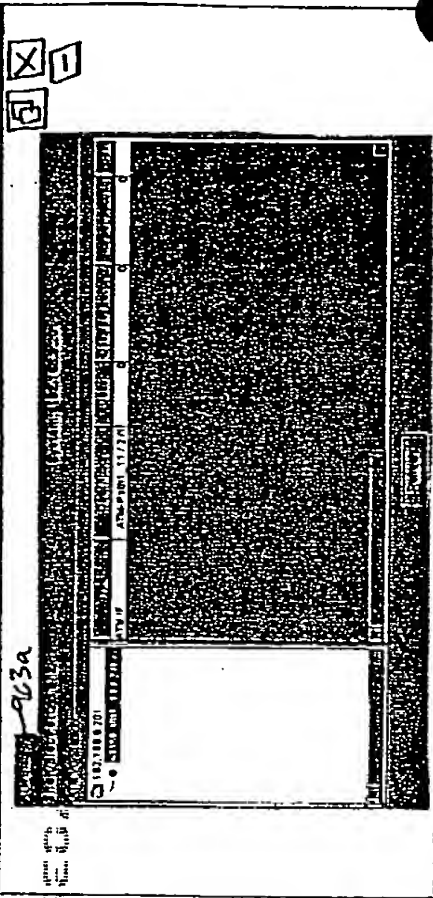


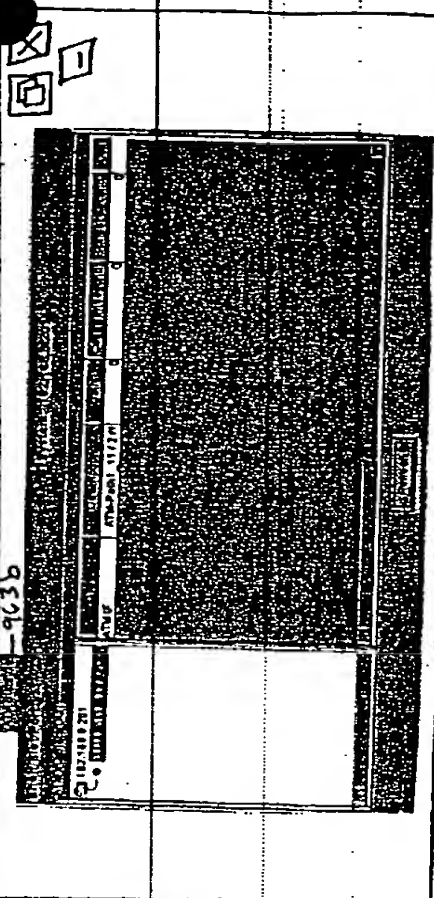
Fig. 9b



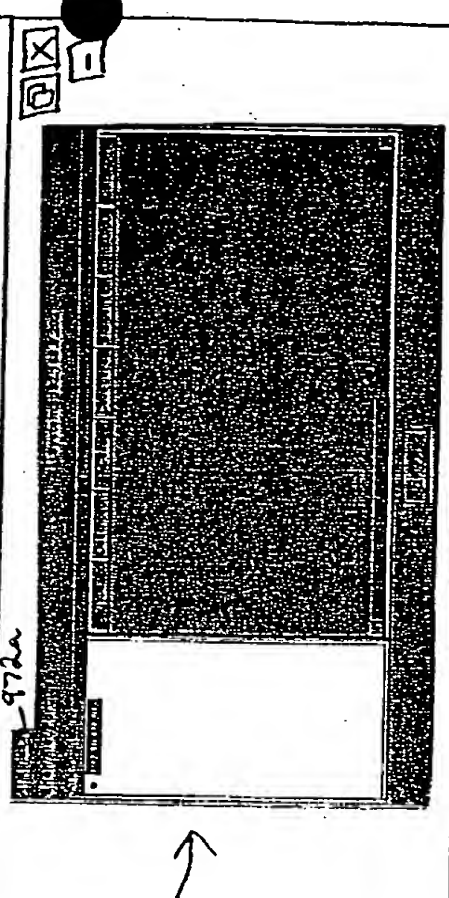
54109



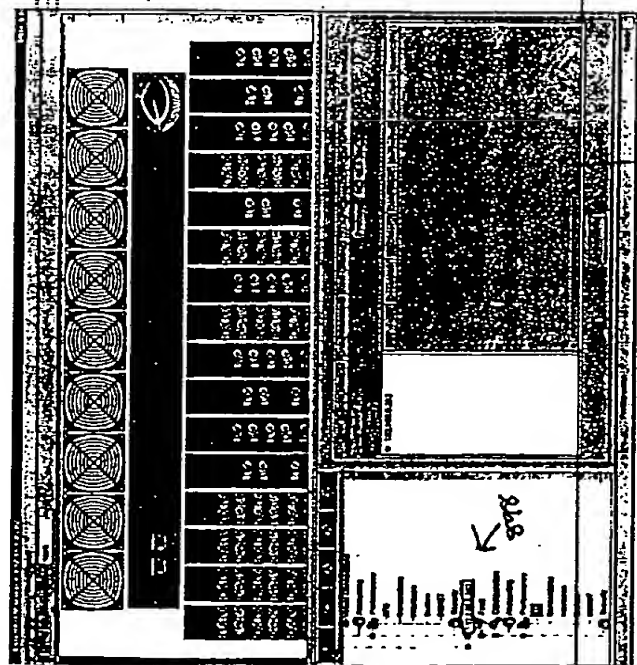
963b



963c



5487

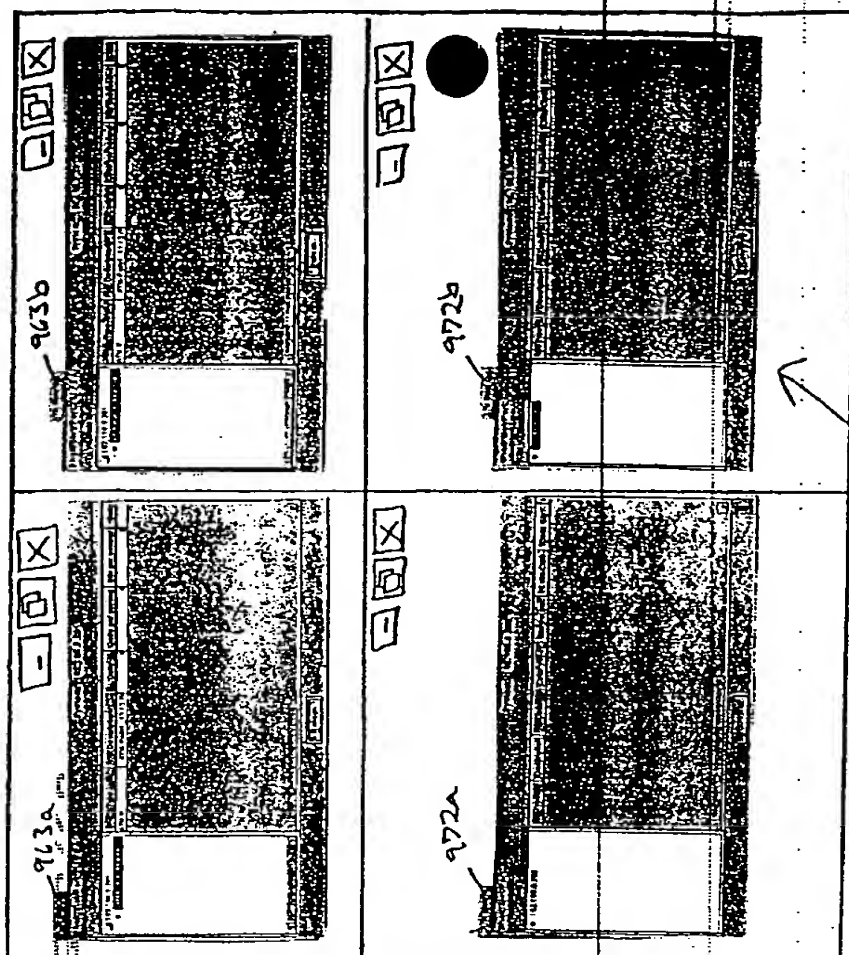


963d

963c

Fig. 9d

← 110a



← 895

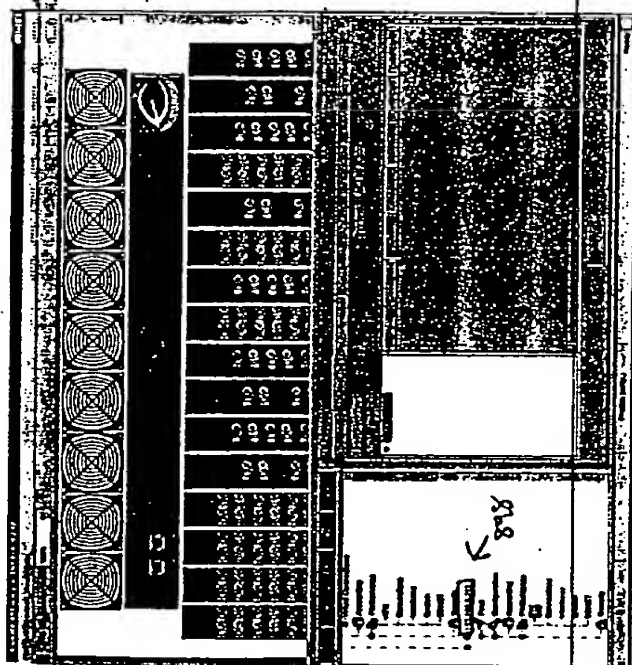
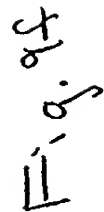
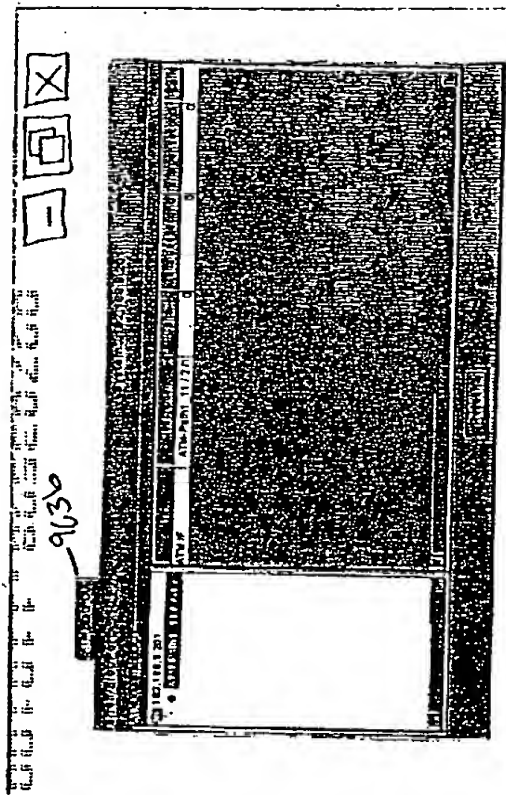


Fig. 9e

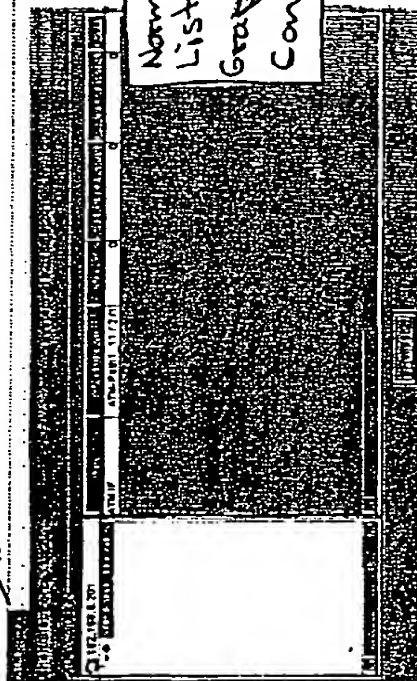
969d



970a



963a

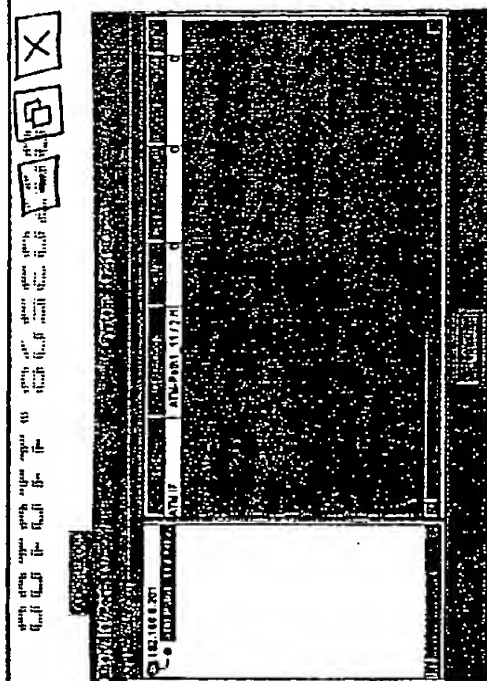


973

Normal
List
Graph
Config

Fig. 9g

970a



System: 192.168.9.201

Type: ATM IF

Description: ATM-Path 1_11/21

Cells:

Cells Per Second:

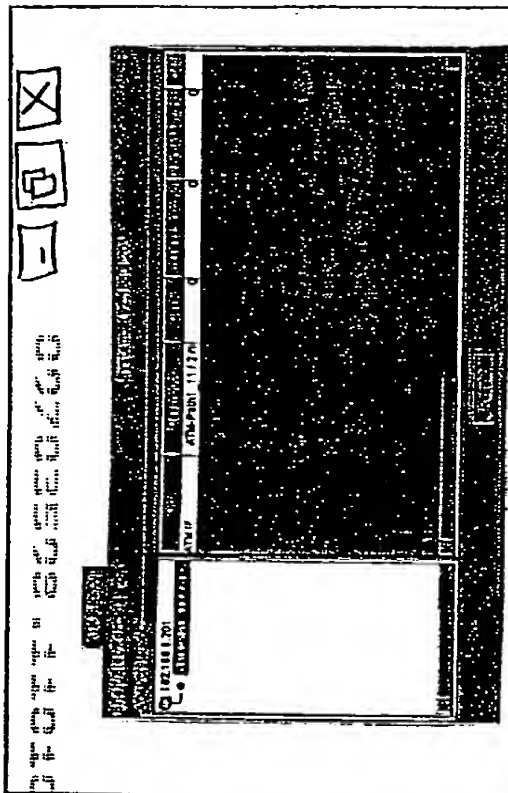
Bits Per Second:

•
•
•

974a

Fig. 9/14

↙ 110a



[-] [X]

Cells Per Second

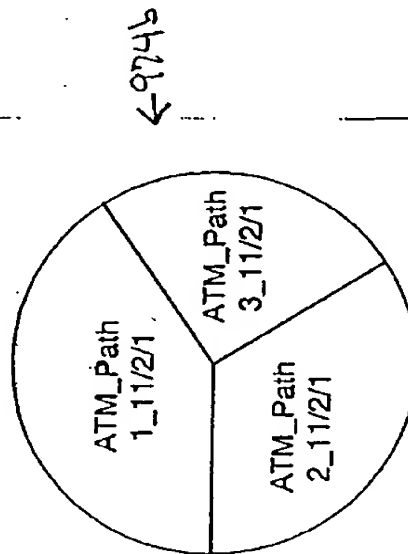


Fig. 9i

✓ 7/02

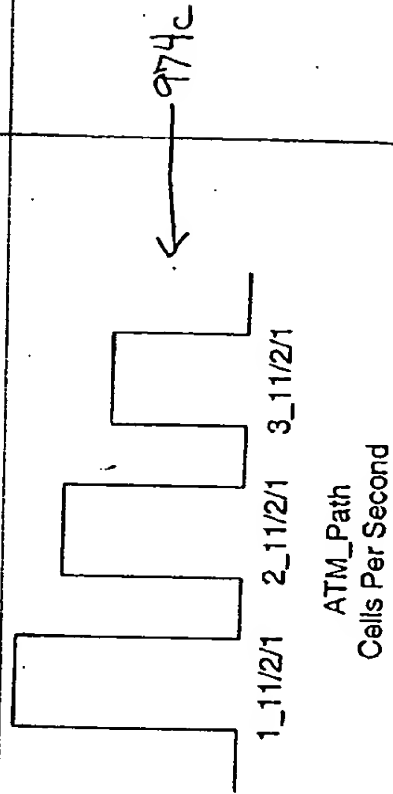
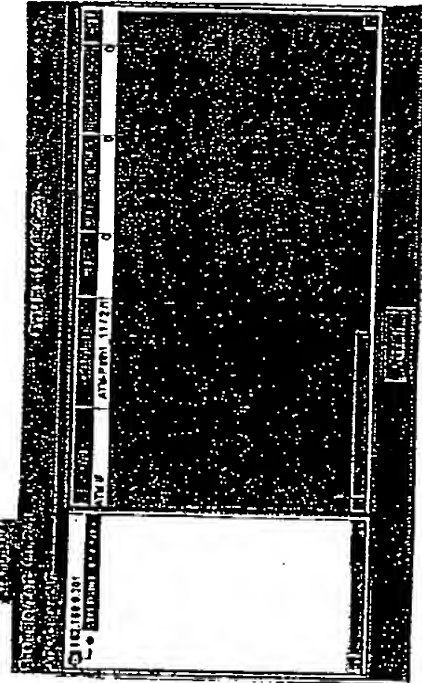


Fig. 9j

4/0a

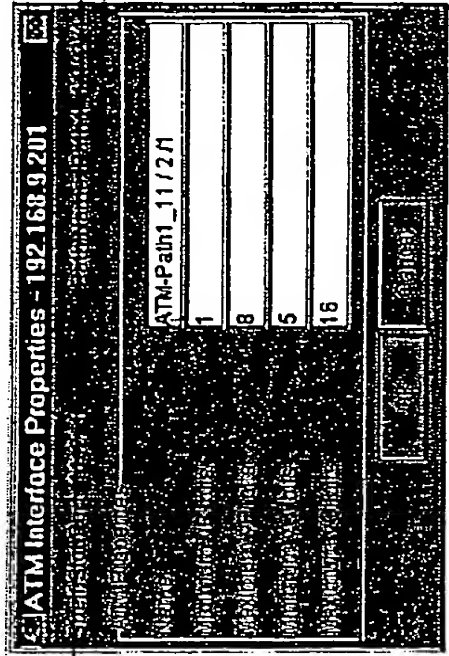
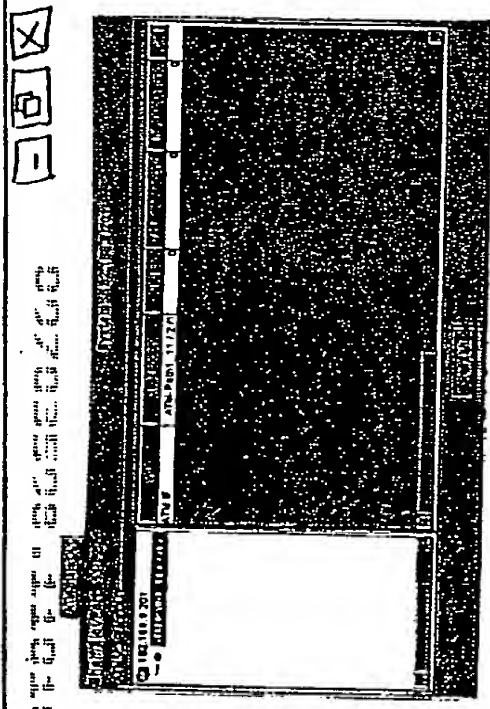


Fig. 9K

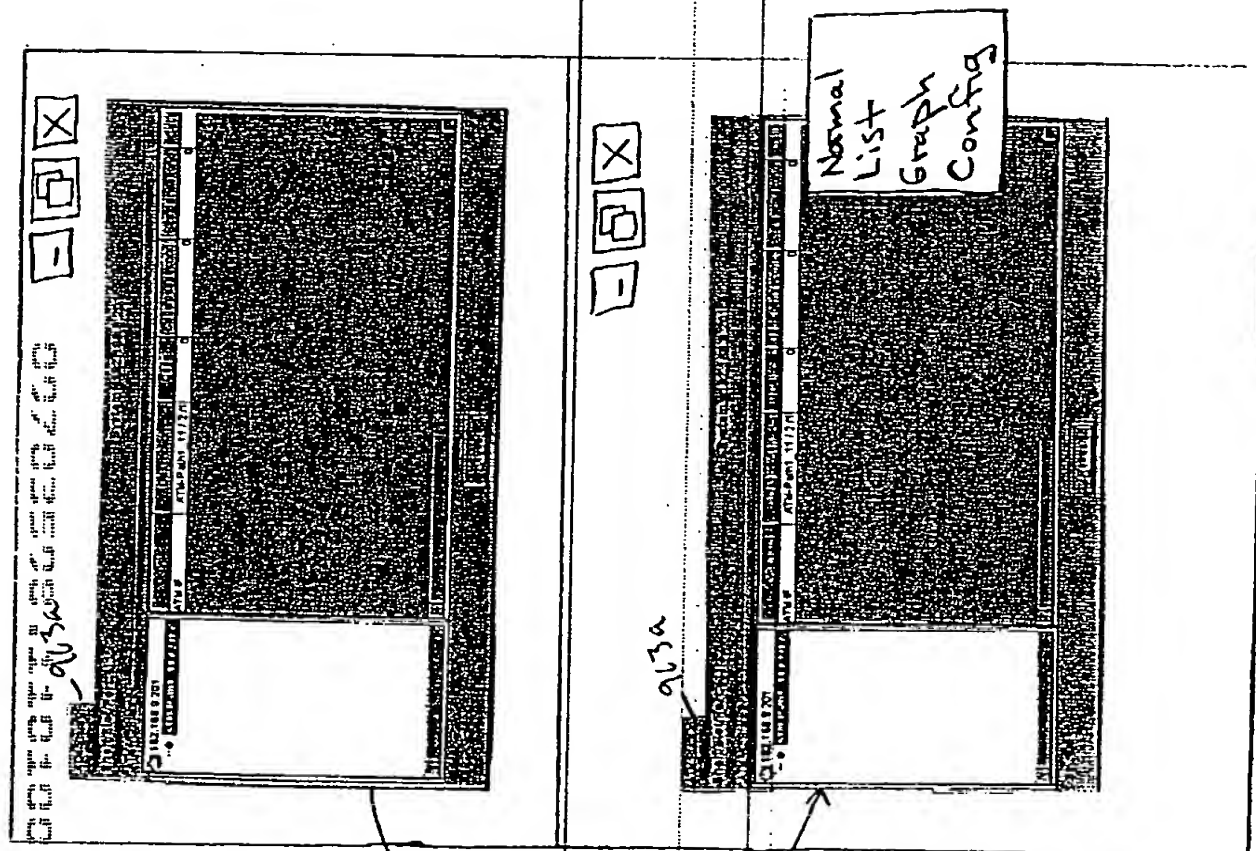


Fig. 91

970a

System: 192.168.9.201

896a

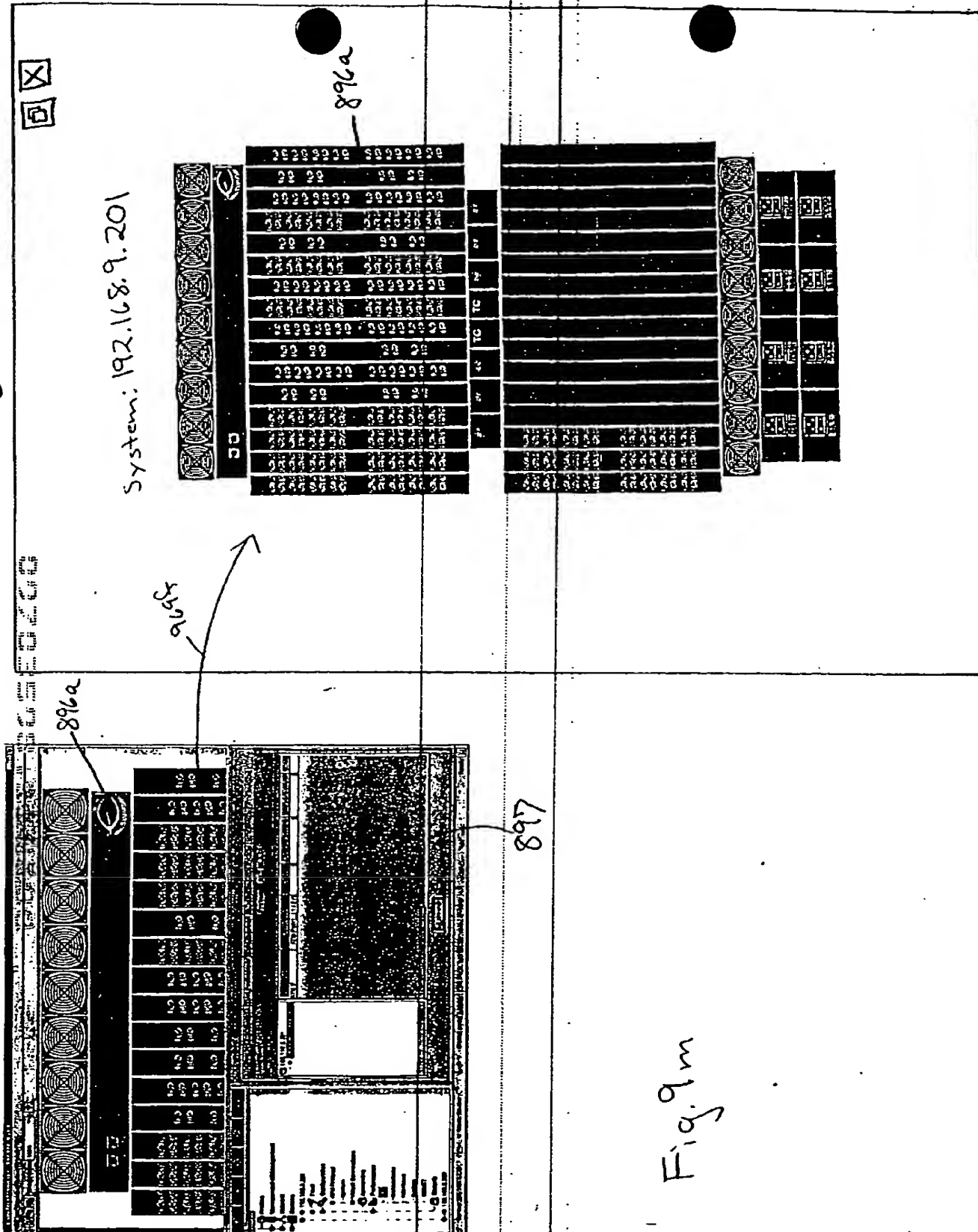
896a

896a

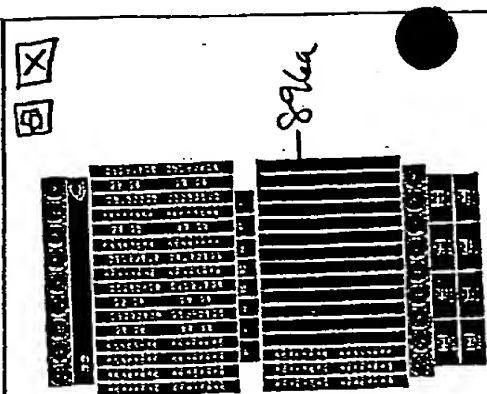
895

897

Fig. 9m

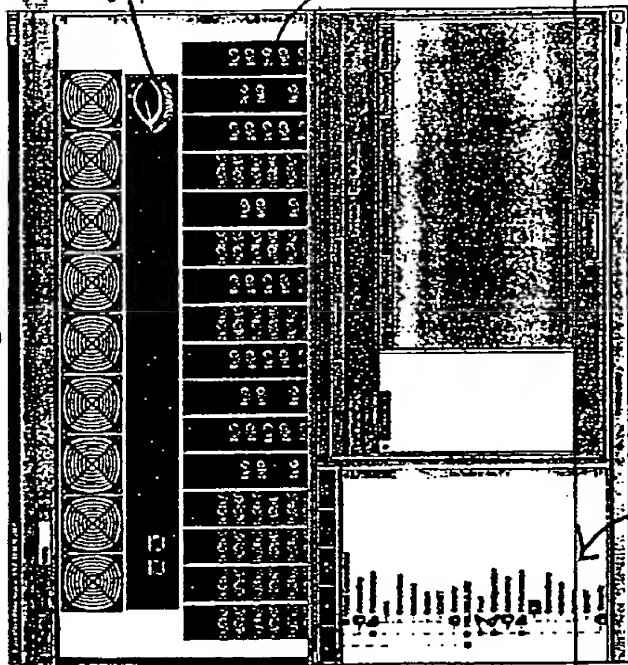


✓ 970a



System:
192.168.9.201

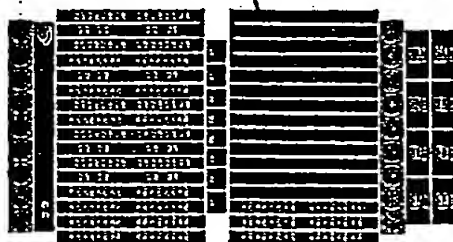
975



898



System:
192.168.9.202



9699

Fig. 9n

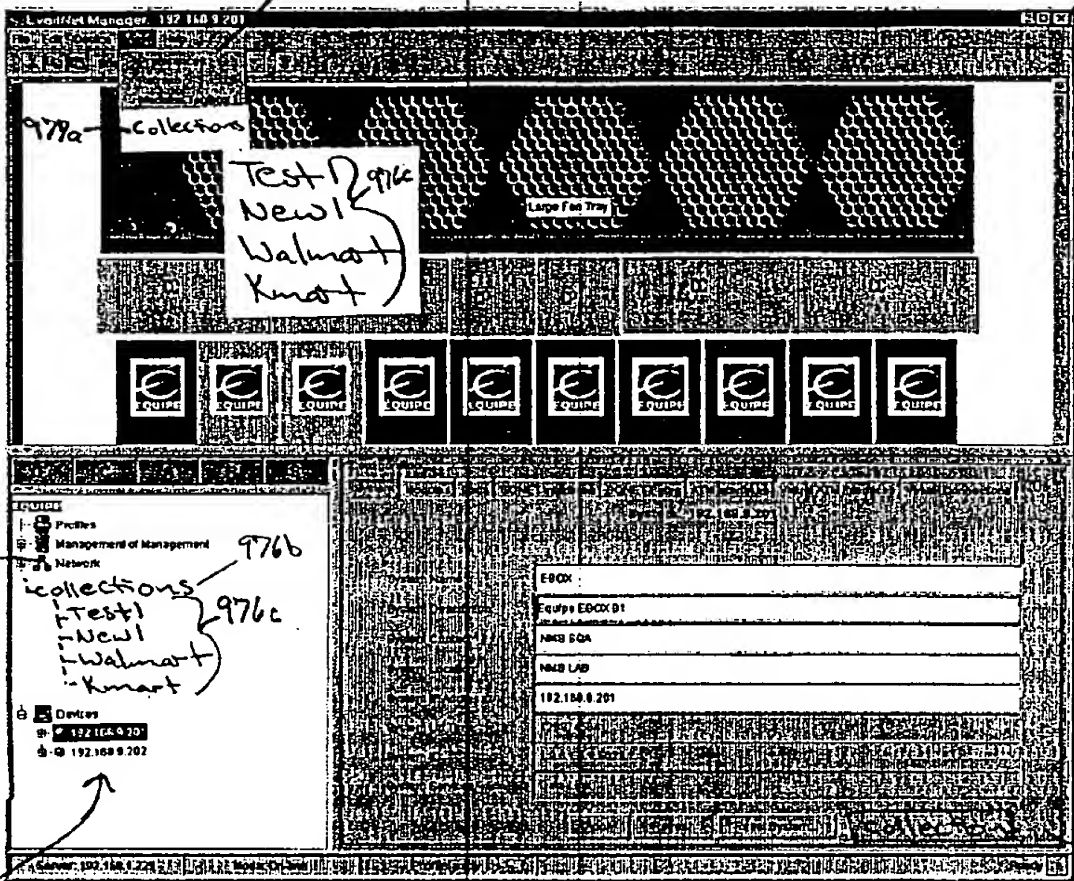
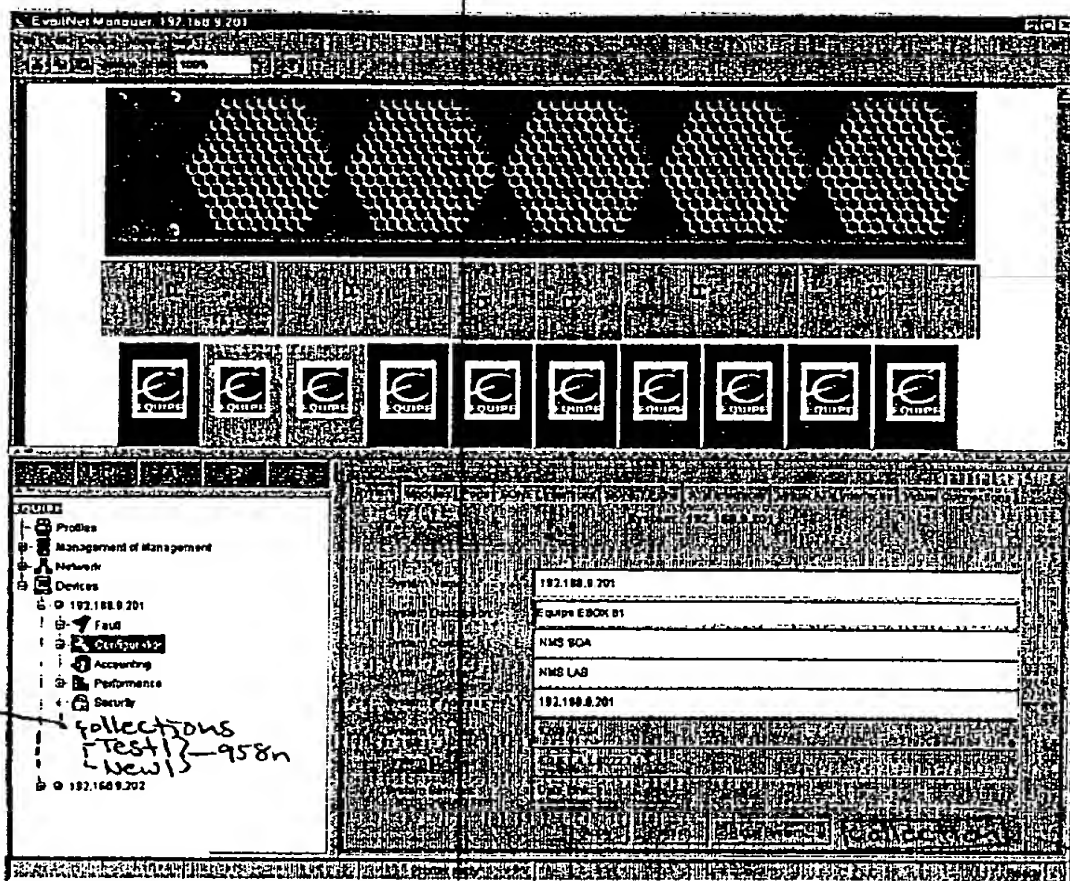


Fig.10a

895



897

Fig. 106

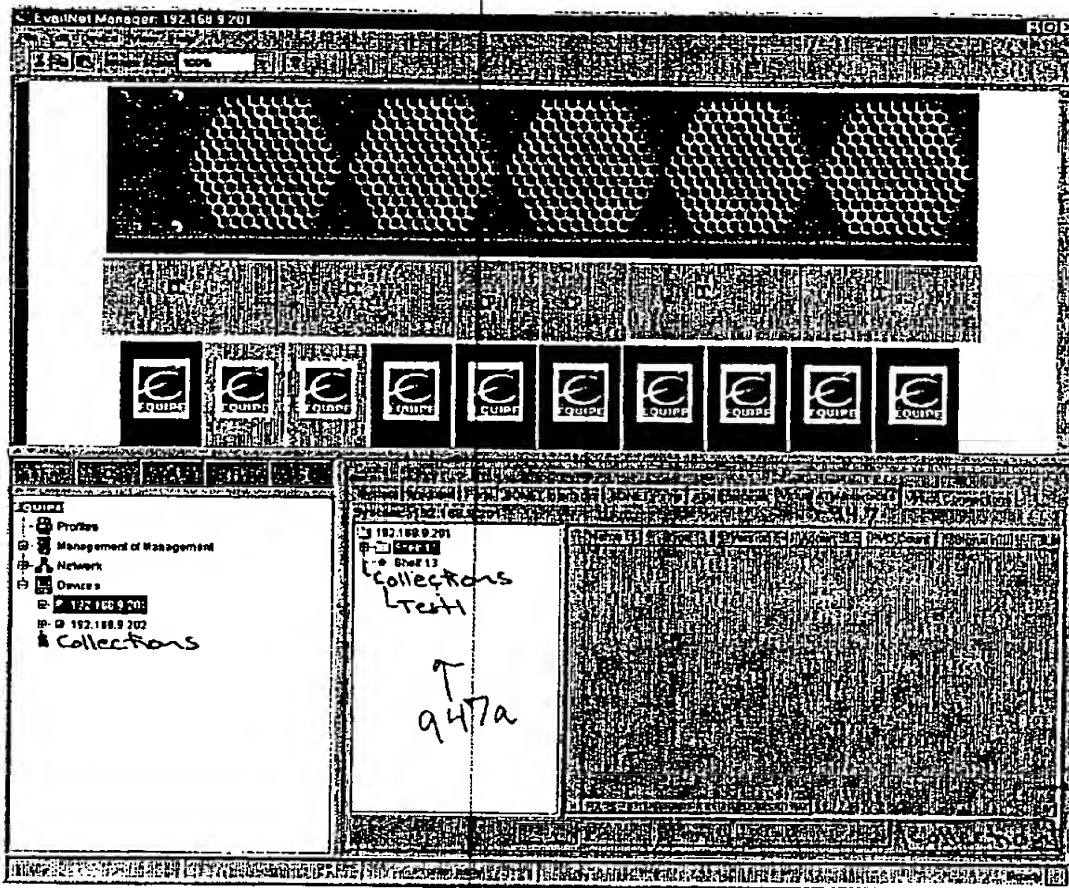
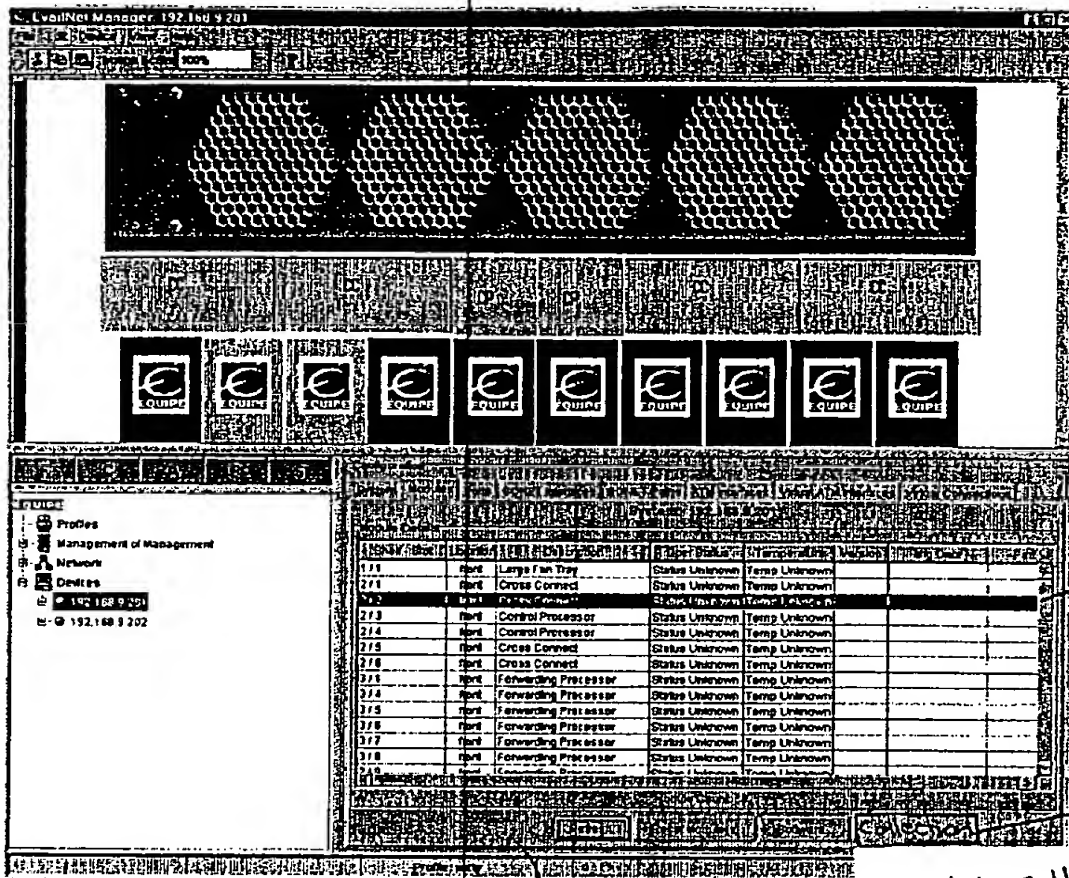


Fig. 10c

895



9778a

9779a
9779b

Add to Collection
New Collection

9779c

Fig. 10d

897

9779d

Collection Name:

OK

Fig. 10e

9779e

Existing Collections:

Test1
New1
Walmart
Kmart

OK

9779f

Fig. 10f

9779g

895

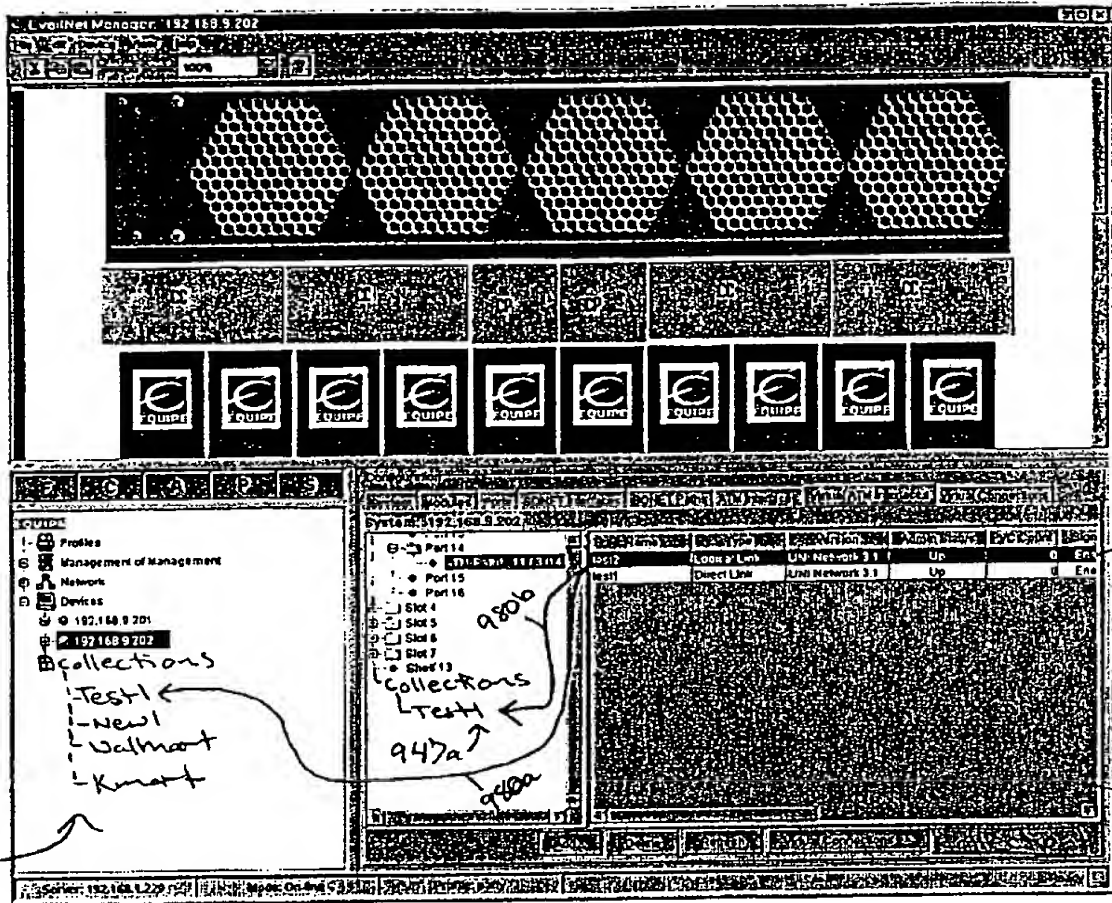


Fig. 10g

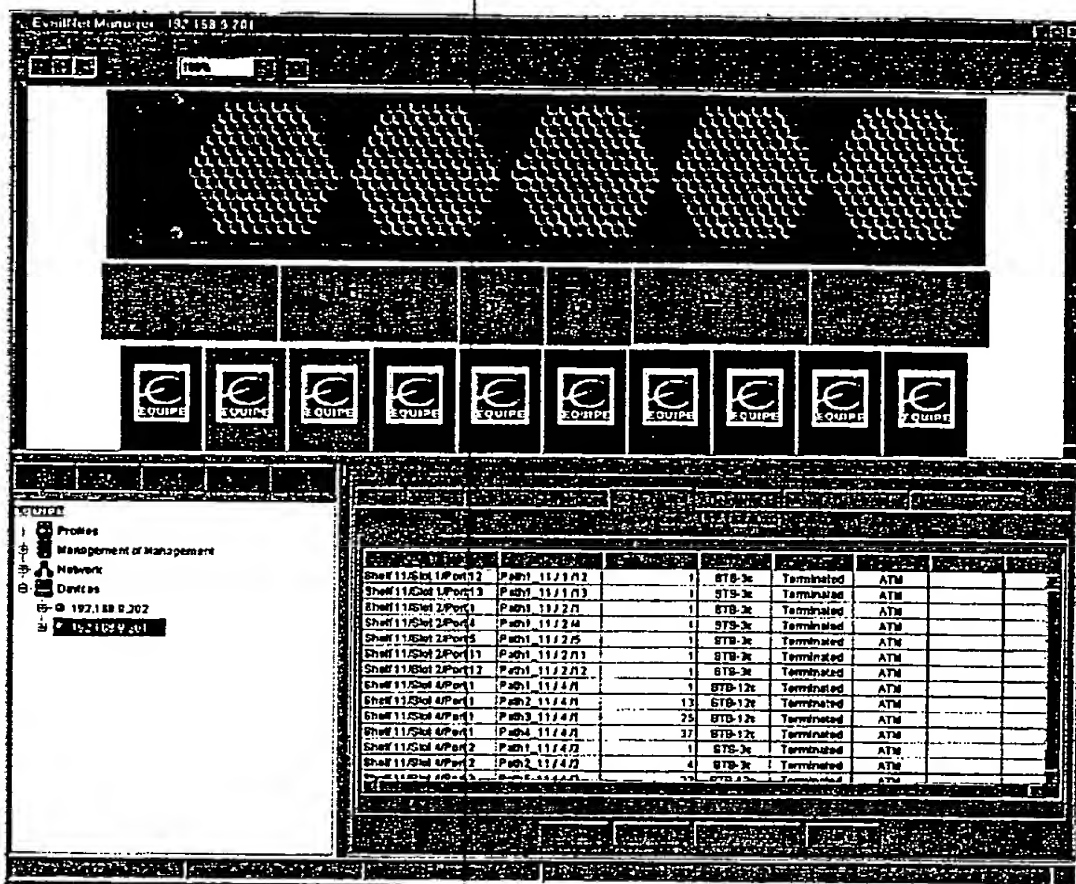


Fig. 10h

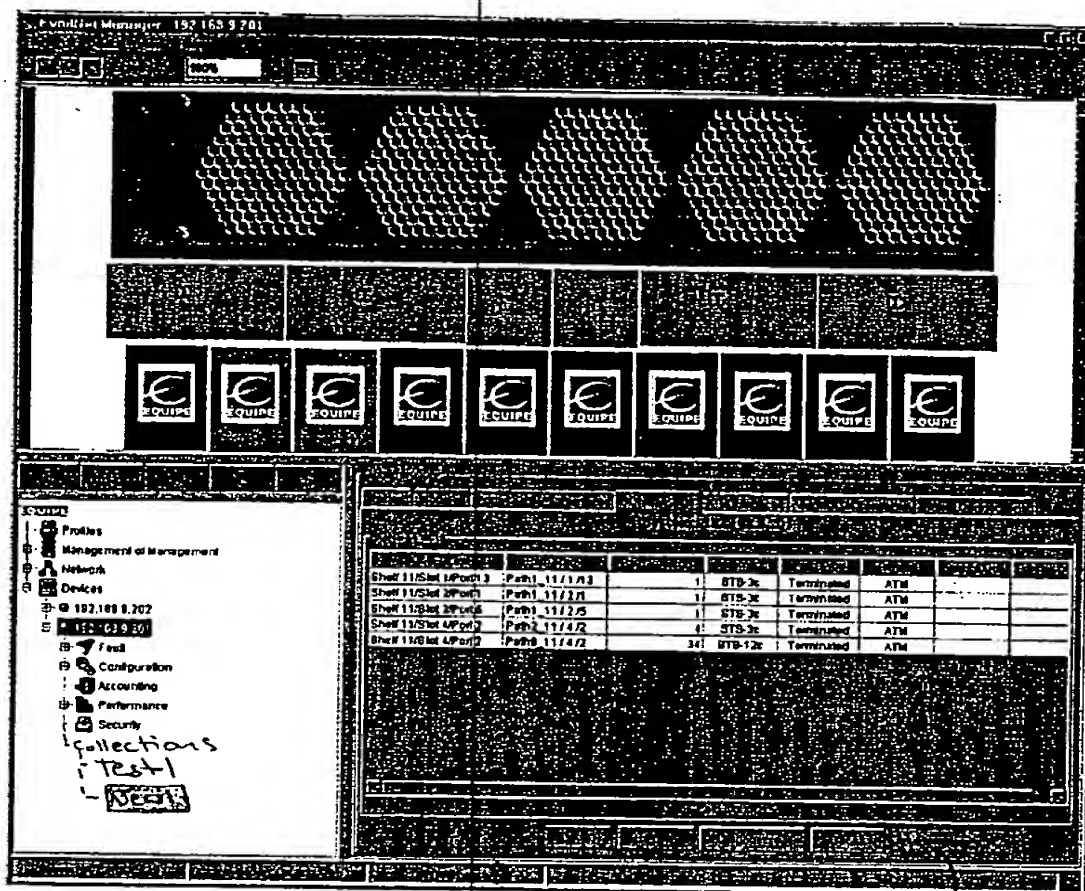


Fig. 10i

982

904

Name	Description	Security	Level	Frame ID	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.37	
Wayne	(Wayne Arch)	Provisioner	15	TeamServer1:192.168.1.32	TeamServer2:192.168.1.37	

905

906

Fig. 11a

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

Servers

Primary Server: 192.168.1.220 908l

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READWRITE	Retry	Timeout	
192.168.9.202	public	equipe	3	5	908g
192.168.9.205	public	equipe	3	5	
192.168.9.216	public	equipe	3	5	

908r 908s 908t

OK Cancel

Fig. 11b

Fig. 11c

General Policies Servers Devices

Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.205

Secondary Server Port: 6503

OK Cancel

9084

General Policies Servers Devices

Device	READ	READWRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	5	162
192.168.9.205	public	equipe	3	5	162
192.168.9.216	public	equipe	3	5	5012

Add Delete

OK Cancel

9084

Fig. 11d

Fig. 11e

General Policies Servers Devices

Username: Kevin

Description: Kevin Snow user account

Customer Name: Equipe

Group Level Access: ▼

Password: *****

Confirm Password: *****

OK Cancel

9084

General Policies Servers Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15 Minutes

OK Cancel

9084

Fig. 11f

904

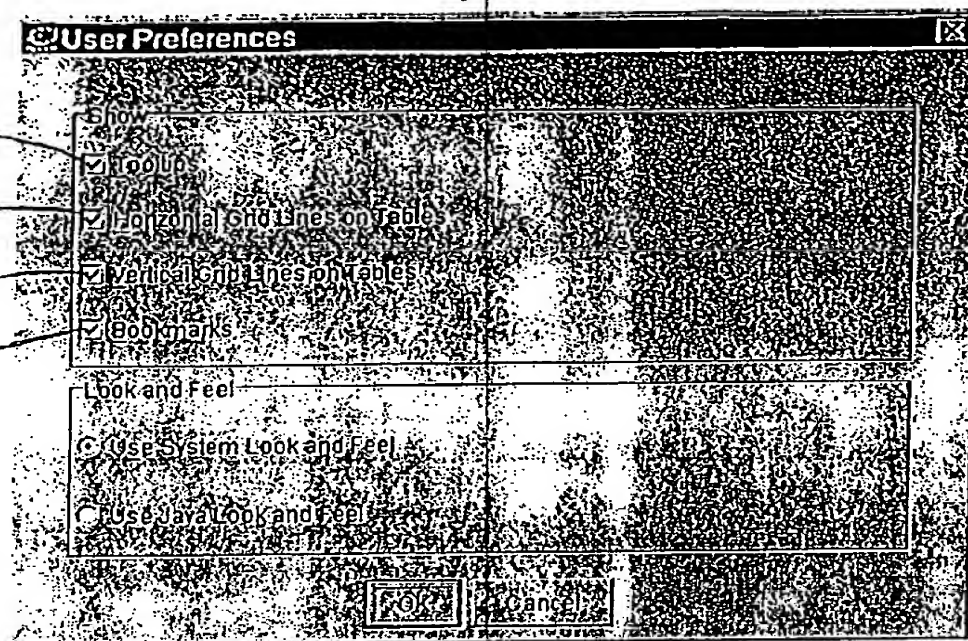


Fig. 11g

←907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

Servers

Primary Server: 192.168.1.220 908l

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READWRITE	Relay	Timeout	
192.168.9.202	public	equipe	3	5	
Group List					
19	Walmart-East				▲
10	Walmart-West				
	Kmart 1				
	sears-northeast				▼

908g

1000a

1000

908p 908q 908r 908s

Fig. 11h

Fig. 11i

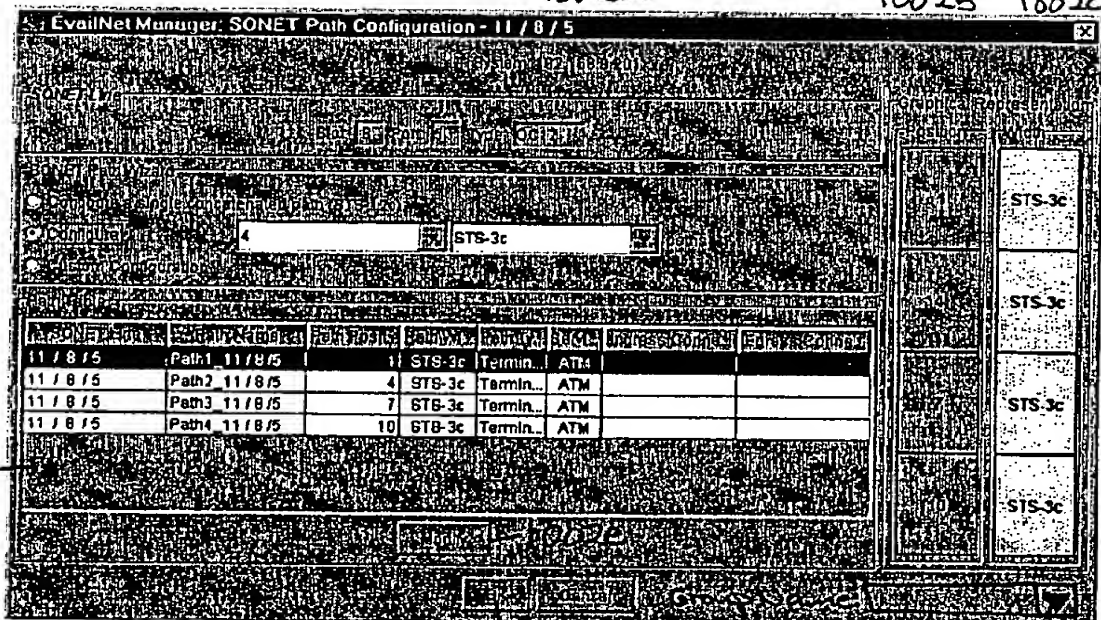
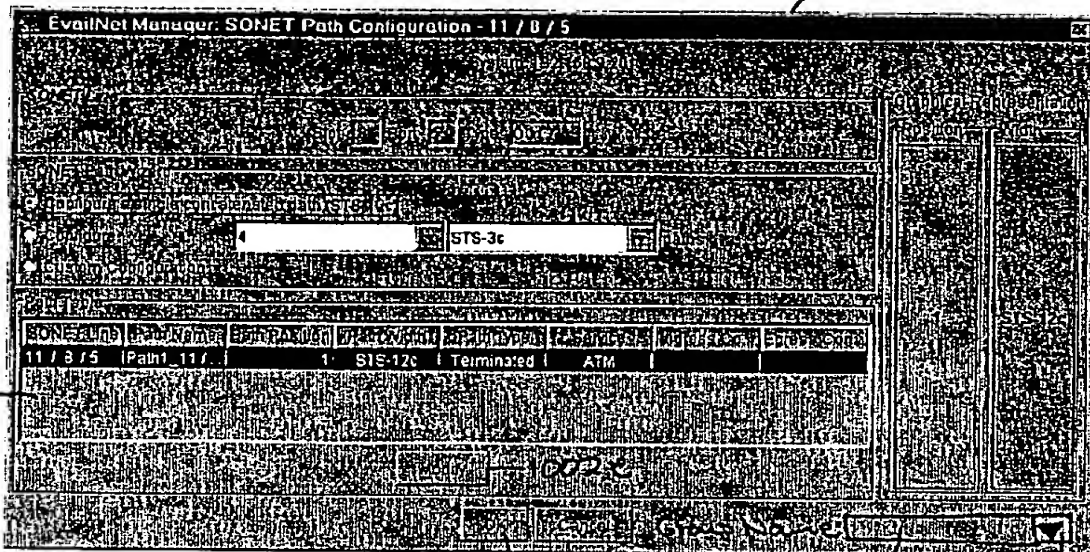


Fig. 11j

Fig. 11K

1002

EvulNet Manager: SONET Path Configuration - 11 / 8 / 5

STB-3c

STB-3c

STB-3c

STB-3c

Path Name	Path ID	Path Type	Path Status	Path Description
Path1_11/8/5	1	STB-3c	Termi...	ATM
Path2_11/8/5	4	STB-3c	Termi...	ATM
Path3_11/8/5	7	Termi...	ATM	

1002a

1002d

1002b

1002c

Add V-ATM Interface - 192.168.9.201

ShareSimPort: 192.168.9.201 Path Name: 11/8/5/1

Model: V-ATM Interface Parameters

Name/ID: 11/8/5/1

Connection Type: Direct Link ☒

UNI Network 3.1 ☒

Up ☒

1004

1004b

1004a

1004c Fig. 11n

Fig. 11L

Managed Resource Group Table

1008

1008b

1008a	LID	Managed Device PID	Group Name	1008c
	1145	1	Walmart-East	1008d
	⋮	⋮	⋮	

Fig. 11M

Managed Resource Table

1007

1007b

1007a	LID	Resource LID	Manage Resource Group LID	1007c
	4443	901	1145	
	⋮	⋮	⋮	

← 1006

EvailNet Manager: 192.168.9.201 - Virtual Connection Wizard

Source: 192.168.9.201 Destination: 192.168.9.201

Source:

- 192.168.9.201
 - Shelf 11
 - Slot 1
 - Slot 2
 - Slot 3
 - Slot 4
 - Port 1
 - Port 2
 - ATM-Path2 11/4/2

Destination:

- 192.168.9.201
 - Shelf 11
 - Shelf 13

Connection Parameters

Connection Name:

Admin Status: Up ☐

Group Name: **Group**

End Point Parameters

VPI: ☐ Use VPI Value

VCI: ☐ Use VCI Value

Transmit Frame Description: ☒ **Transmit Frame Description**

Receive Frame Description: ☒ **Receive Frame Description**

☒ Use the same Frame Description for both Transmit and Receive

End Point Parameters

VPI: ☐ Use VPI Value

VCI: ☐ Use VCI Value

Transmit Frame Description: ☒ **Transmit Frame Description**

Receive Frame Description: ☒ **Receive Frame Description**

☒ Use the same Frame Description for both Transmit and Receive

1006a 1006b 1006c

Fig. 110

Fig. 11p

User Table

1010

LID	Username	Password	Group Level Access
2012	Dave	Marble	Provisioner
⋮	⋮	⋮	

1010a points to the first row (2012, Dave, Marble, Provisioner).

1010b points to the Username header.

1010c points to the Password header.

1010d points to the Group Level Access header.

1010e points to the Provisioner value in the first row.

Fig. 11q

User Managed Device Table

1012

LID	User LID	Host LID	Retry	Timeout
7892	2012	9046		
⋮	⋮	⋮	⋮	⋮

1012a points to the first row (7892, 2012, 9046, empty, empty).

1012b points to the User LID header.

1012c points to the Host LID header.

1012d points to the Retry header.

1012e points to the Timeout header.

Fig. 11r

Administration Managed Device Table

1014

LID	Host Address	Port Address	Retry	Timeout	Admin. Password	Prov. Password	Viewer Password
9046	192.168.9.202	1521			team 1	team 2	team 3
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

1014a points to the first row (9046, 192.168.9.202, 1521, empty, empty, team 1, team 2, team 3).

1014b points to the Host Address header.

1014c points to the LID header.

1014d points to the Prov. Password header.

Fig. 11s

1013

1013a — Device Host: 192.168.1.202

1013b — Device Port: 1521

1013c — SNMP Retry:

1013d — SNMP Timeout:

1013e — Admin. Password:

1013f — Prov. Password:

1013g — Viewer Password:

1013h — Add

1013i — OK

Cancel

Delete

X

Fig. 11t

User Resource Group Map Table

1016a	1016b		1016c
	LID	User LID	User Resource Group LID
	8086	2012	1024
	⋮	⋮	⋮

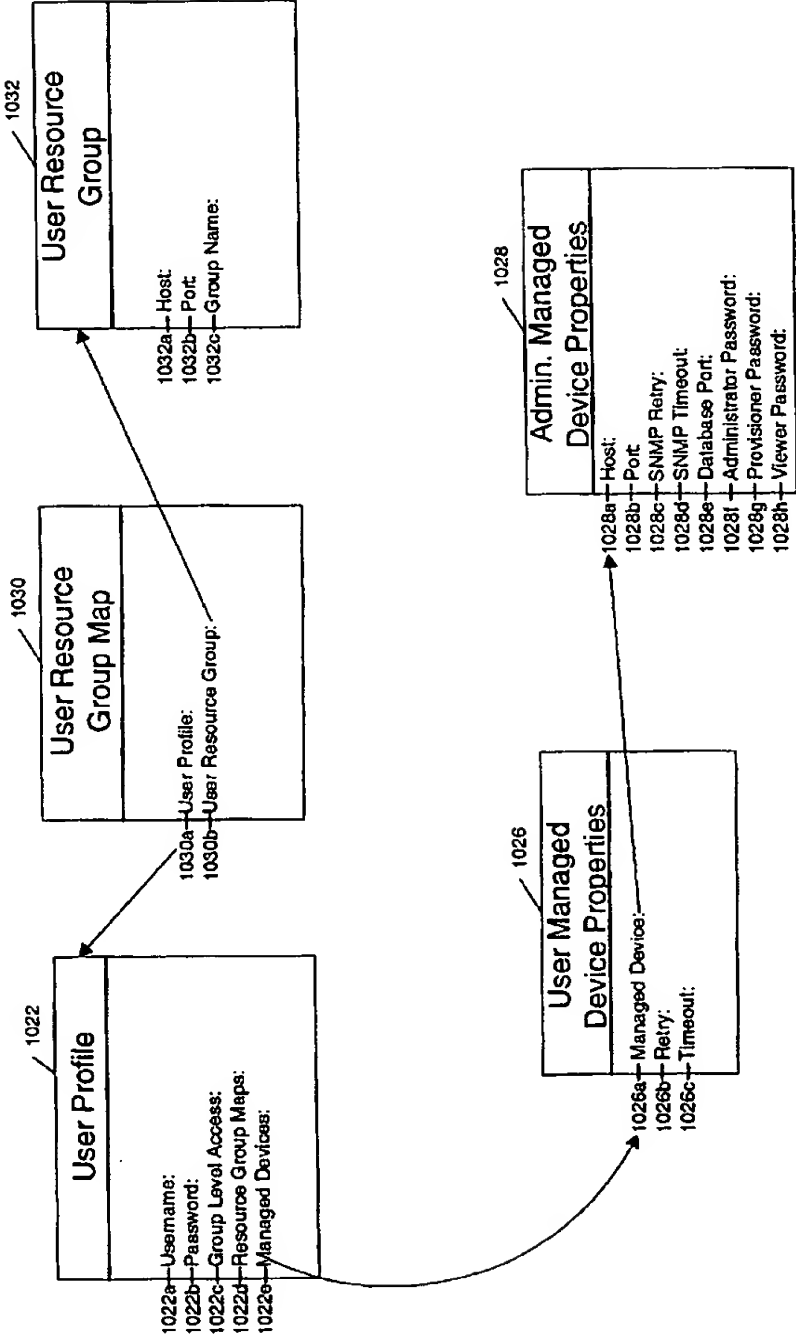
1016

Fig. 11u

User Resource Group Table

1018d	1018a	1018b	1018c	1018
	LID	Host LID	Group Name	
	1024	9046	Walmart-East	
	⋮	⋮	⋮	

Fig. 11v



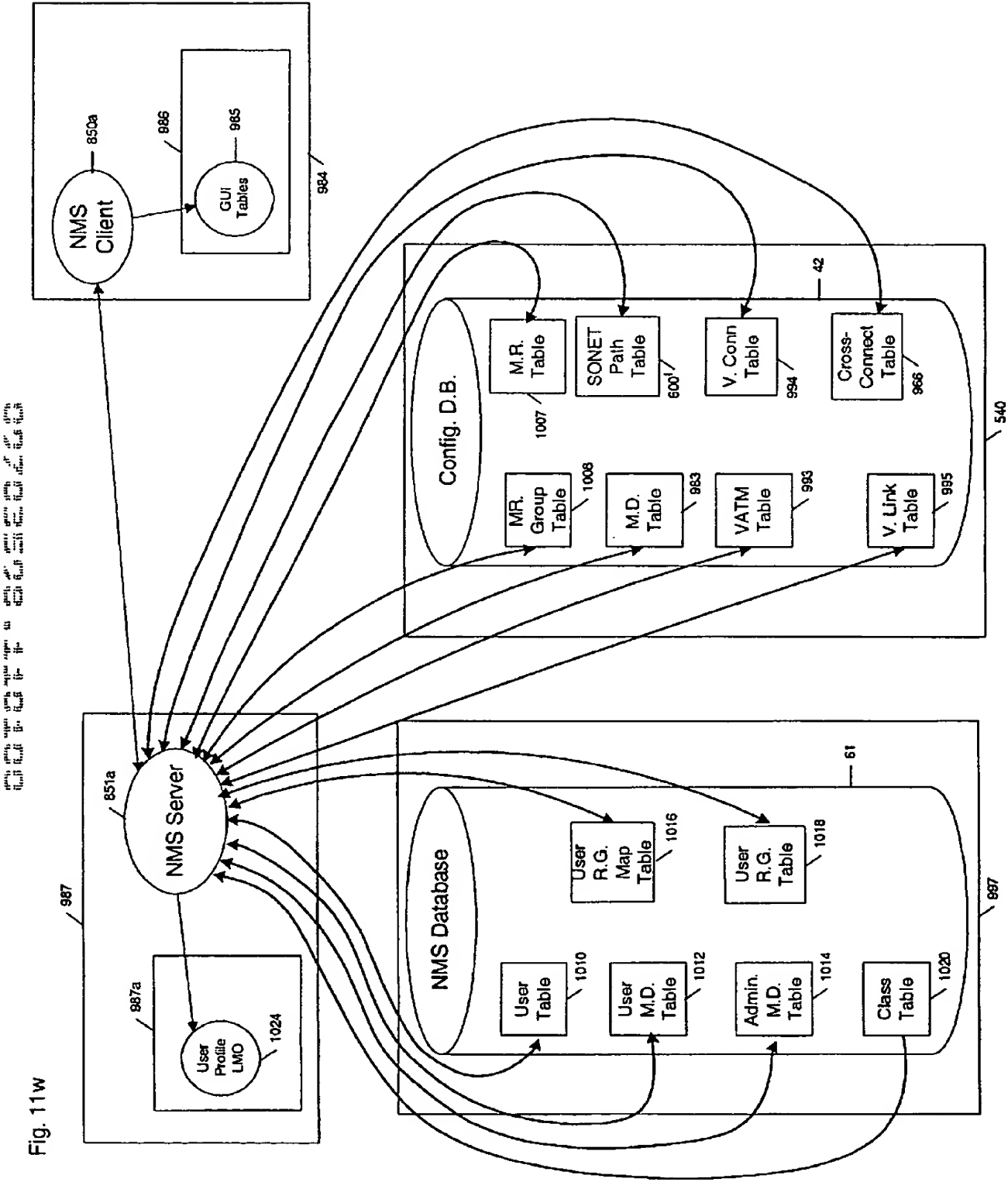
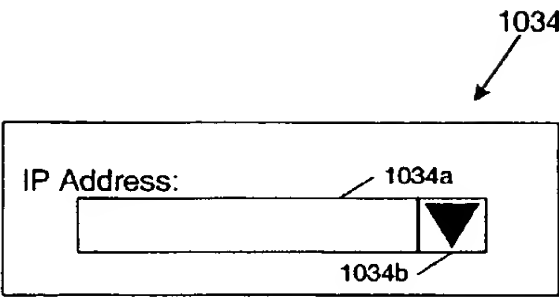


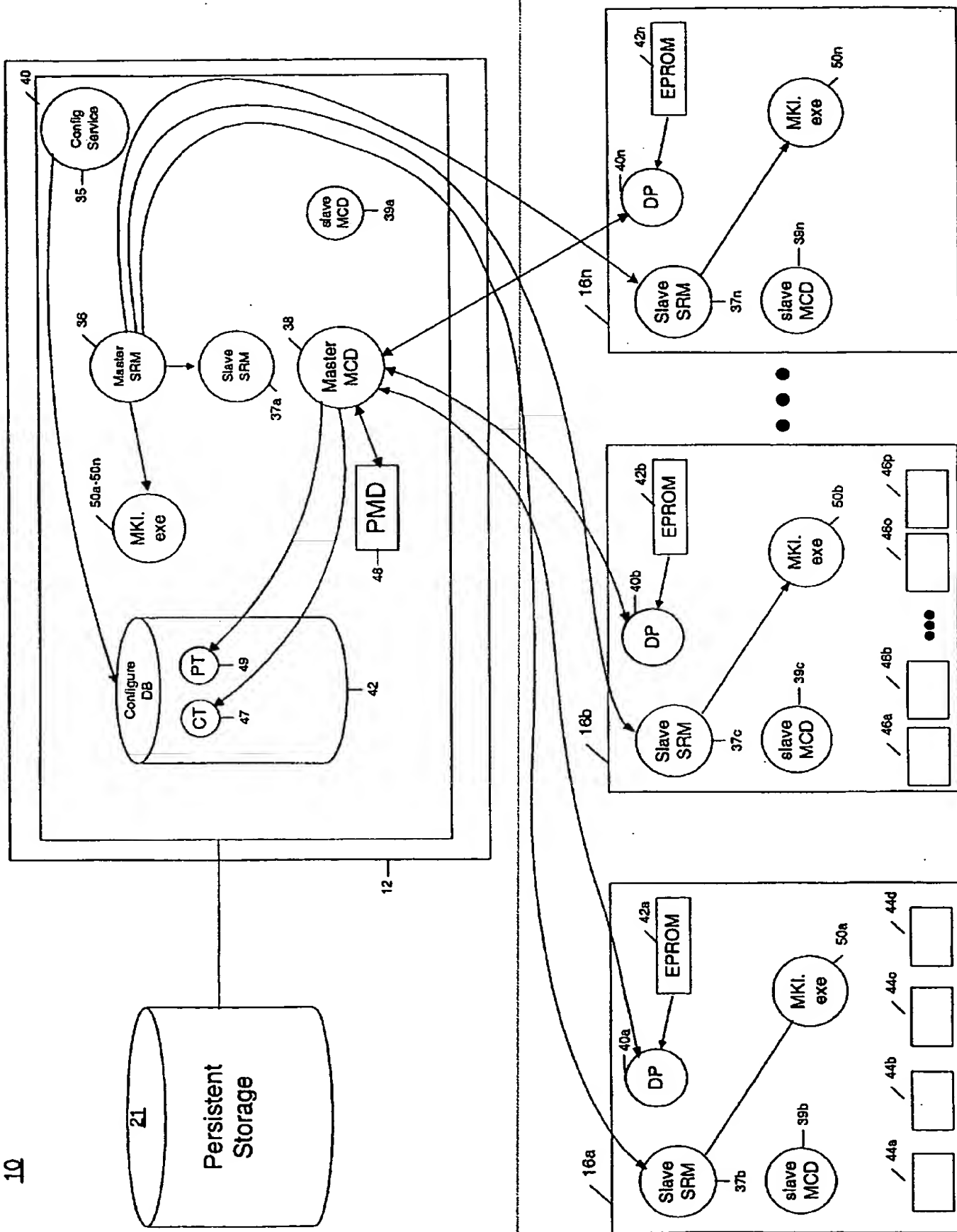
Fig. 11x



Equipe Communications

FIG. 12a

FIG. 12a is a block diagram of a system architecture. The system 10 includes a Persistent Storage 21, a Master MCD 38, a Master SRM 36, a Slave SRM 37a, a Config Service 35, a Config DB 42, a PMD 46, and a MKI. exe 50a-50n. The Master MCD 38 is connected to the Master SRM 36, the Slave SRM 37a, the Config DB 42, the PMD 46, and the MKI. exe 50a-50n. The Master SRM 36 is connected to the Config Service 35 and the Config DB 42. The Slave SRM 37a is connected to the Master MCD 38. The Config DB 42 contains a CT 47 and a PT 49. The PMD 46 is connected to the Master MCD 38. The MKI. exe 50a-50n are connected to the Master MCD 38. The system 10 is connected to the Persistent Storage 21.



CARD TABLE

47

PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16 a	500	0XF002	3	1
16 b	501	0XF002	4	2
	⋮	⋮	⋮	⋮
16 e	505	0X6002	1	5
	⋮	⋮	⋮	⋮
16 n	513	0XF002	1	12
	⋮	⋮	⋮	⋮

PORT TABLE

PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a — 1500	00620	1	1	
44b — 1501	00620	1	1	
44c — 1502	00620	1	1	
44d — 1503	00620	1	1	
44a — 1504	00820			
46a — :	:	:	:	:
1600	00620	1	8	
:	:	:	:	:
:	:	:	:	:

FIG. 12c

19

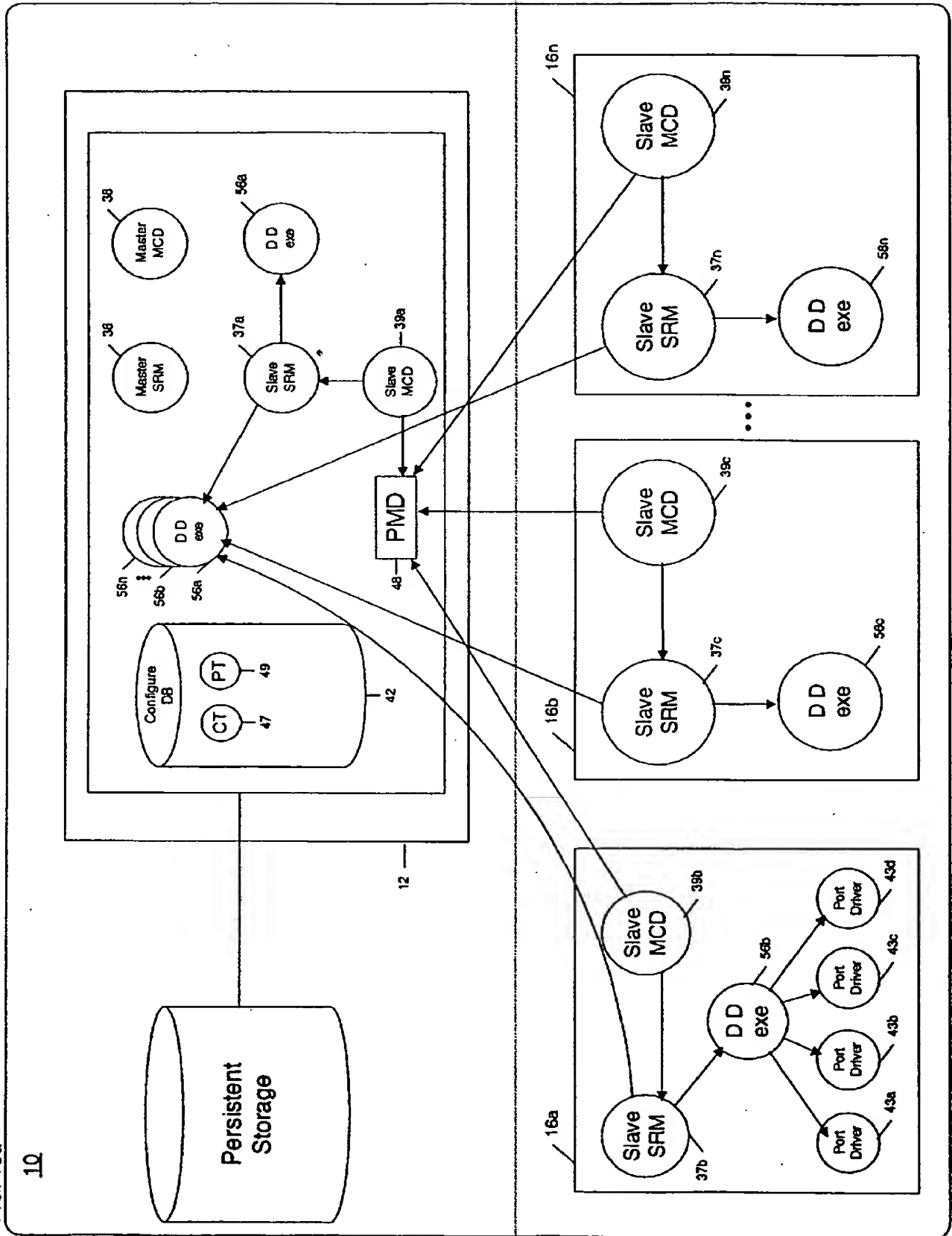


FIG. 13b

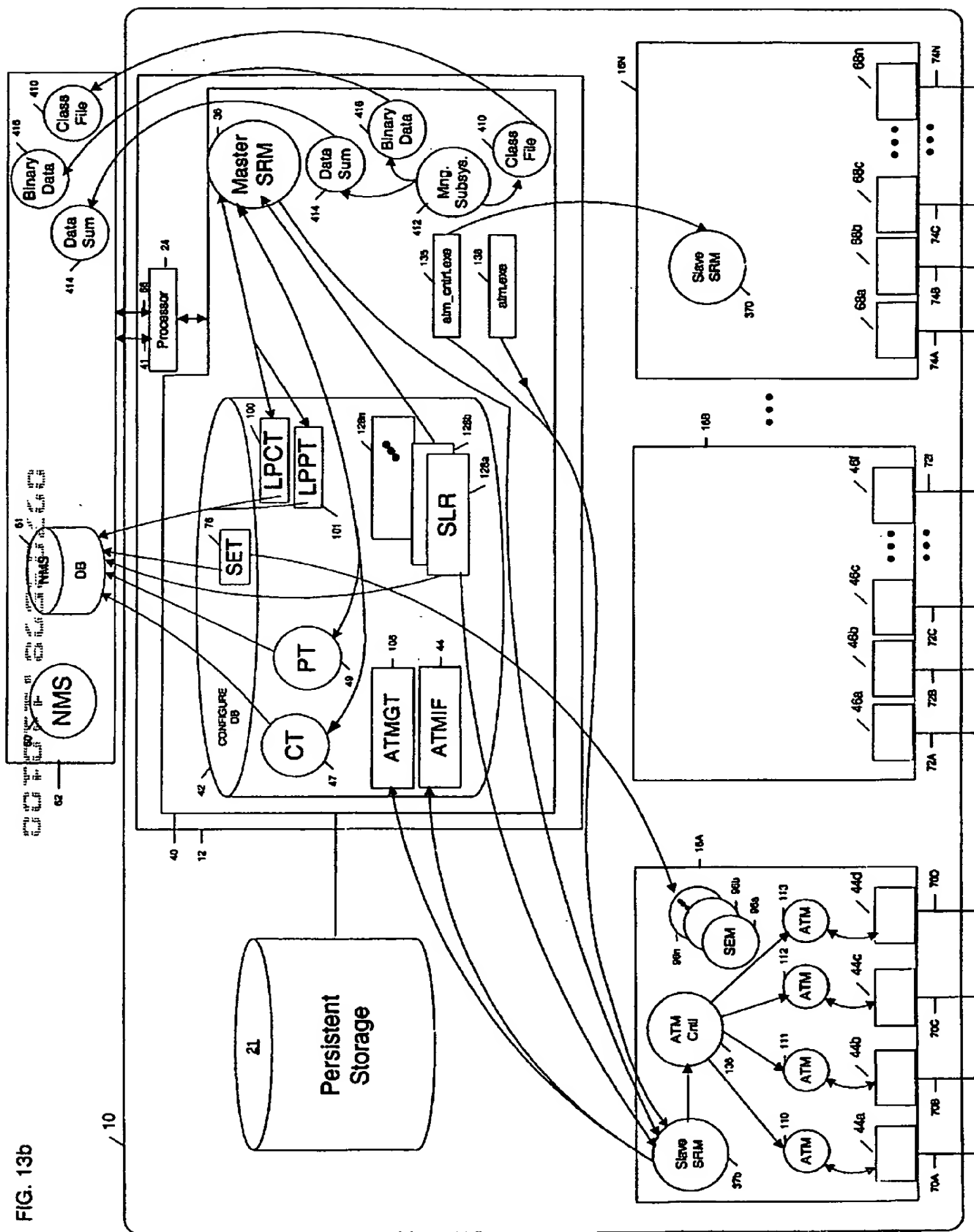


Fig. 13c

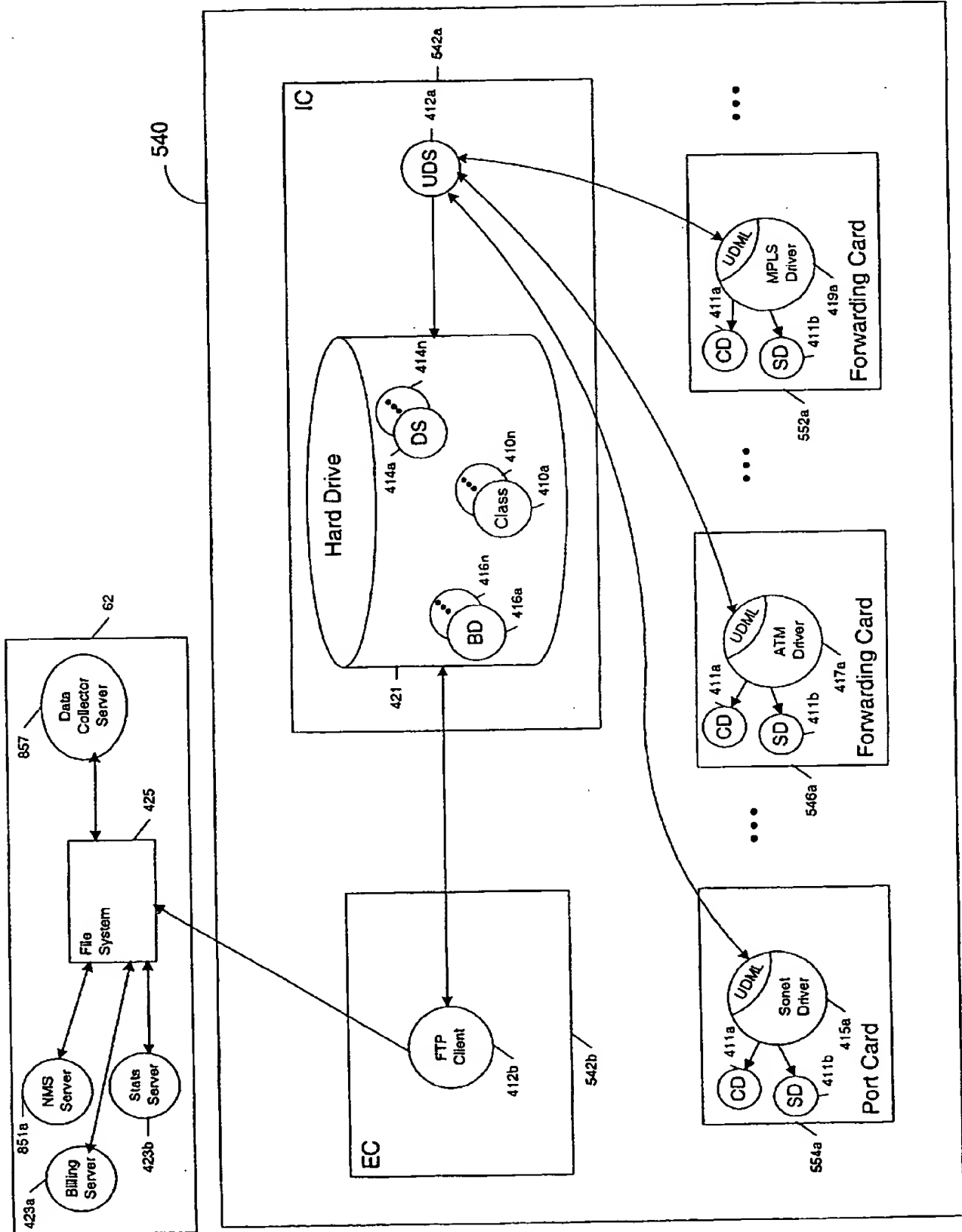


Fig. 13d

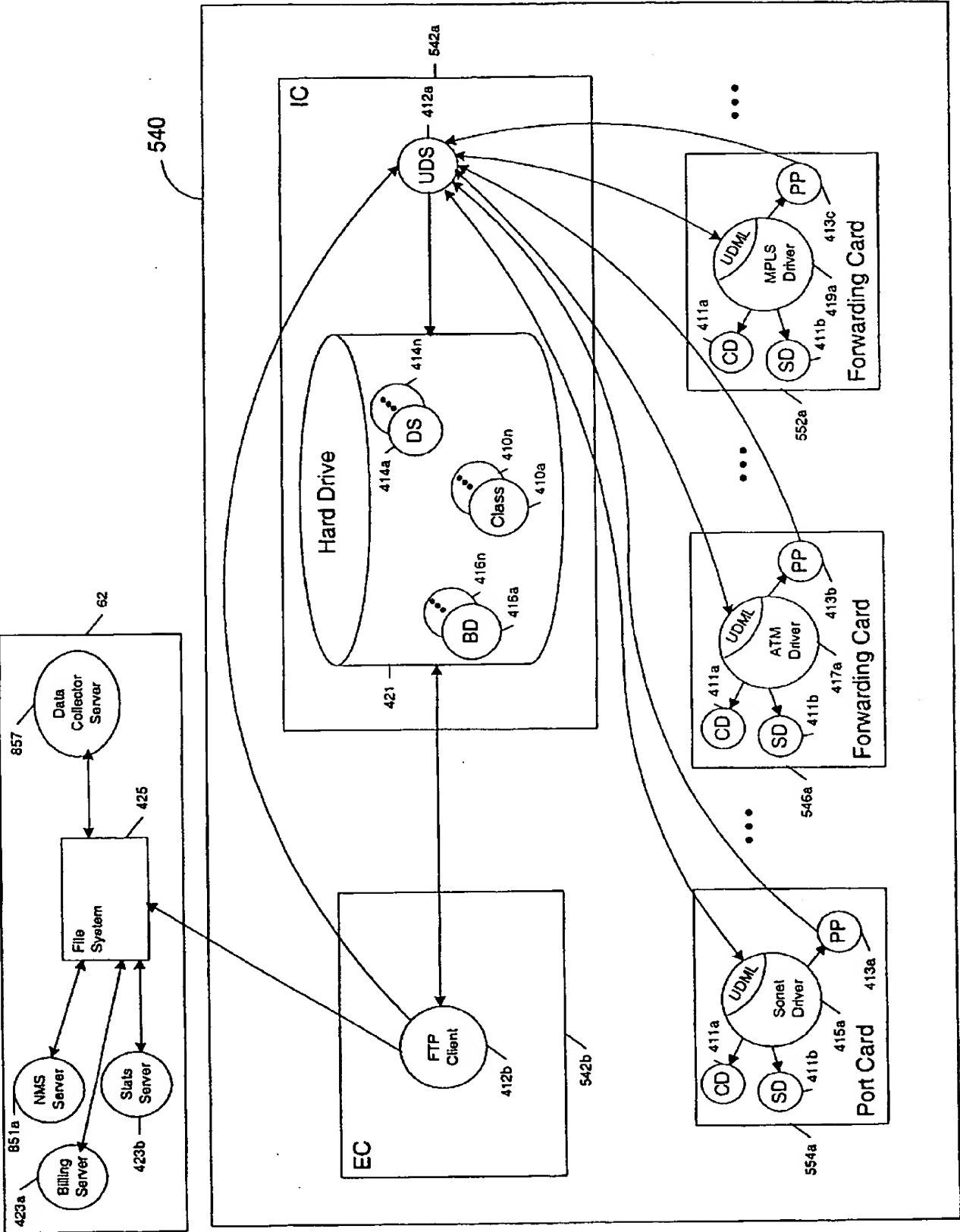


FIG. 14a

Service Endpoint Table 76

	Service Endpoint #	Port PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮

FIG. 14b

Logical to Physical Card Table 100

	LID	Primary PID	Back-up PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮

FIG. 14c

Logical to Physical Port Table 101

	LID	Primary PID	Back-up PID
107	40	1500	1600
	⋮	⋮	⋮

FIG. 14d

ATM Group Table 108

Group #	Card LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14e

ATM Interface Table 114

ATM IF	ATM Group	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14f

Software Load Record 128a

130	Control Shim	LID	132
134	atm-cntl.exe	30	

FIG. 15

FIG. 15 is a block diagram of a system architecture. The diagram shows a central control unit, SRM 5130, connected to four ATM groups (ATM Group 1, ATM Group 2, ATM Group 3, and ATM Group 4). Each ATM group contains an ATM unit and a series of ATM-IF units. The ATM units are connected to the SRM 5130 via lines 110, 111, 112, and 113. The ATM-IF units are connected to the ATM units via lines 120, 121, 122, 123, 124, and 125. The ATM-IF units are also connected to a series of SE units (SE1, SE2, SE3, SE4, SE5, SE6, SE7, SE8, SE9) via lines 96a, 96b, 96c, and 96d. The SE units are connected to a series of Pon Drivers (Pon Driver 1, Pon Driver 2, Pon Driver 3, and Pon Driver 4) via lines 43a, 43b, 43c, and 43d. The Pon Drivers are connected to a series of OC-48 units (OC-48 Pon 1, OC-48 Pon 2, OC-48 Pon 3, and OC-48 Pon 4) via lines 44a, 44b, 44c, and 44d. The OC-48 units are connected to a series of ATM units (ATM 1, ATM 2, ATM 3, and ATM 4) via lines 136, 137, 138, and 139. The ATM units are connected to the SRM 5130 via lines 140, 141, 142, and 143.

136

ATM
Clt
Shim

SRM
5130

ATM Group 1

ATM-1

ATM-IF 1

ATM-IF 2

ATM-IF 3

ATM Group 2

ATM-2

ATM-IF 4

ATM-IF 5

ATM-IF 6

ATM Group 3

ATM-3

ATM-IF 7

ATM-IF 8

ATM Group 4

ATM-4

ATM-IF 9

ATM-IF 10

ATM-IF 11

SE1

SE2

SE3

SE4

SE5

SE6

SE7

SE8

SE9

Pon Driver 1

Pon Driver 2

Pon Driver 3

Pon Driver 4

OC-48 Pon 1

OC-48 Pon 2

OC-48 Pon 3

OC-48 Pon 4

44a

44b

44c

44d

140

141

142

143

120

121

122

123

124

125

96a

96b

96c

96d

SEM

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FIG. 16a

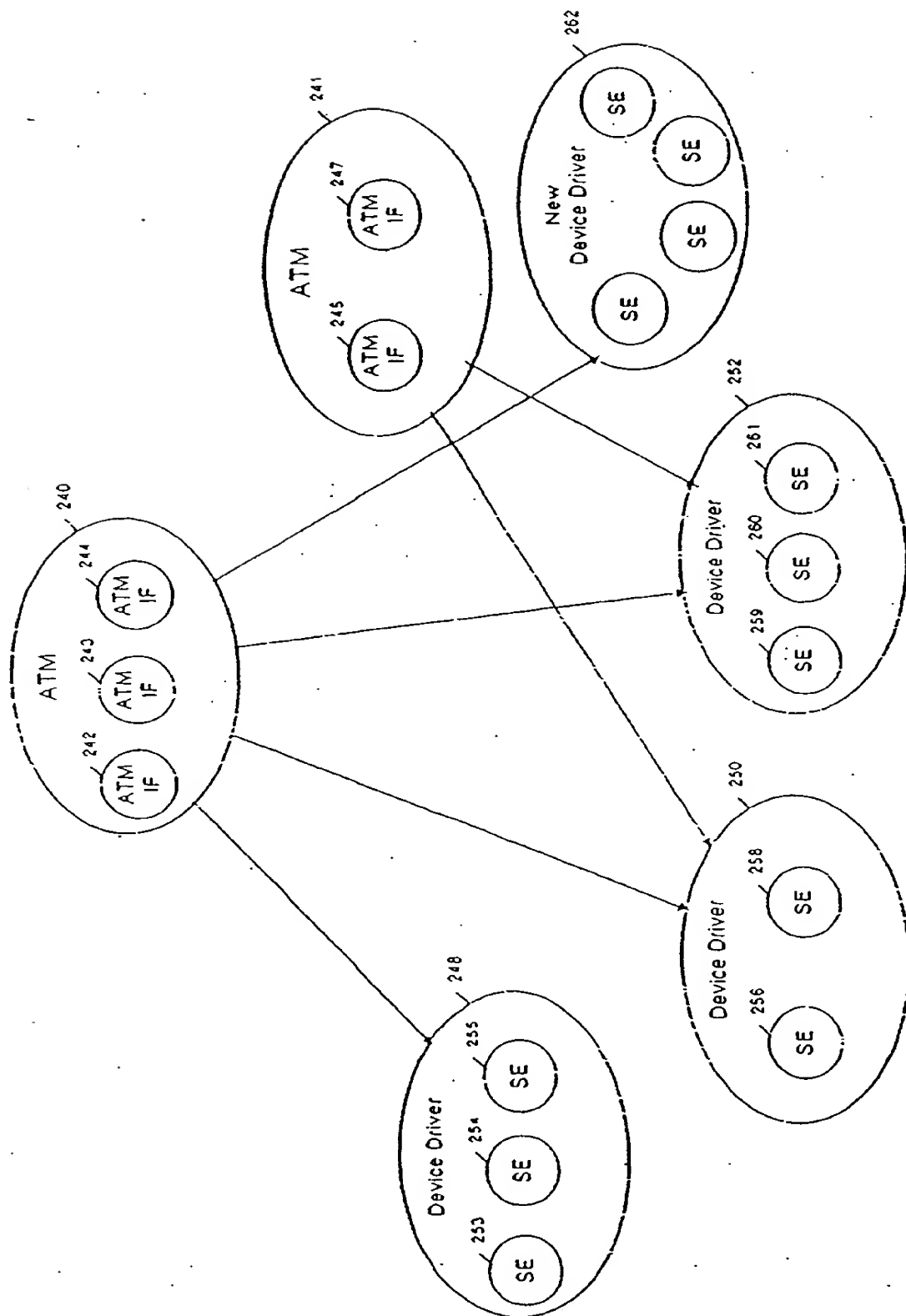


FIG. 16b

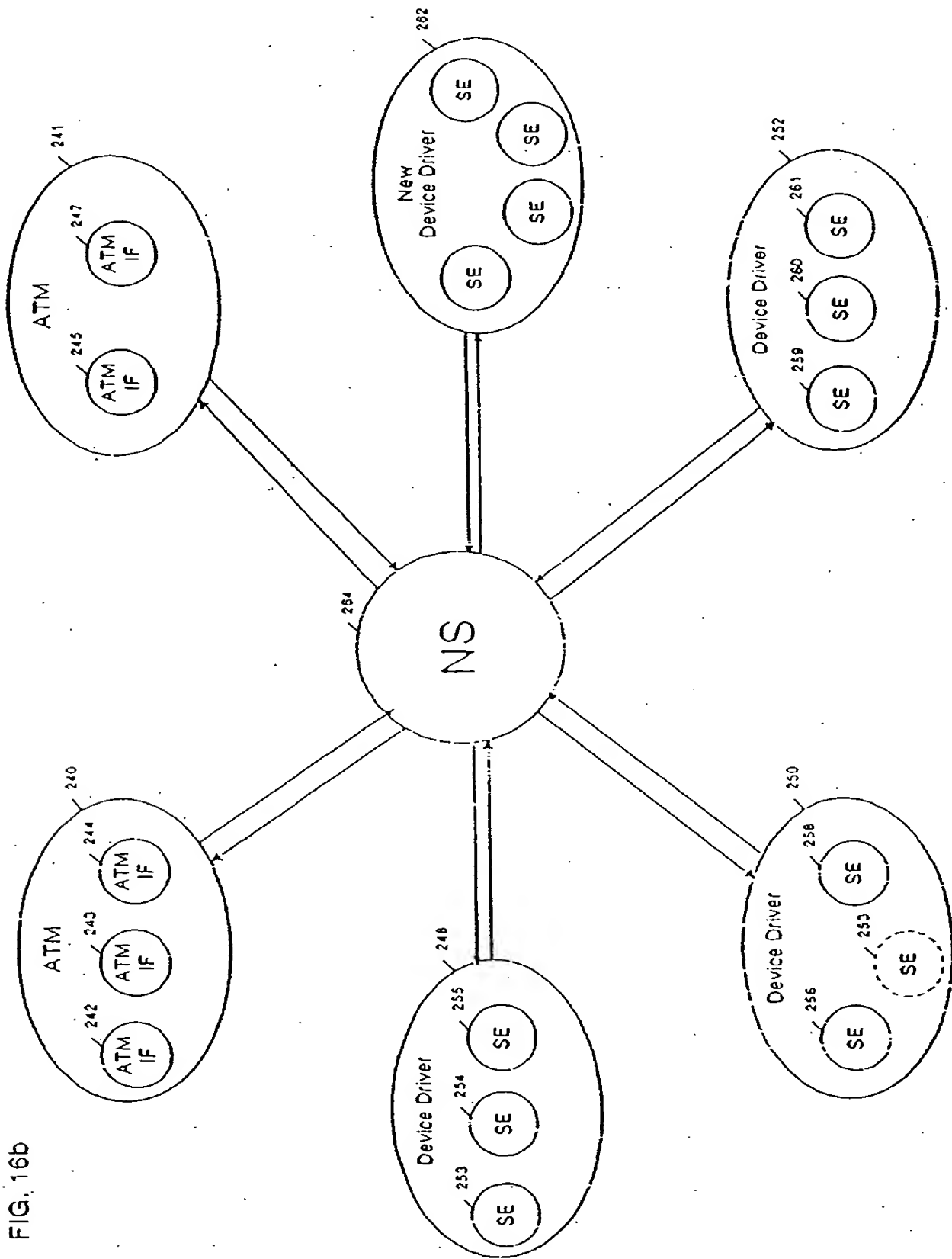


FIG. 16c

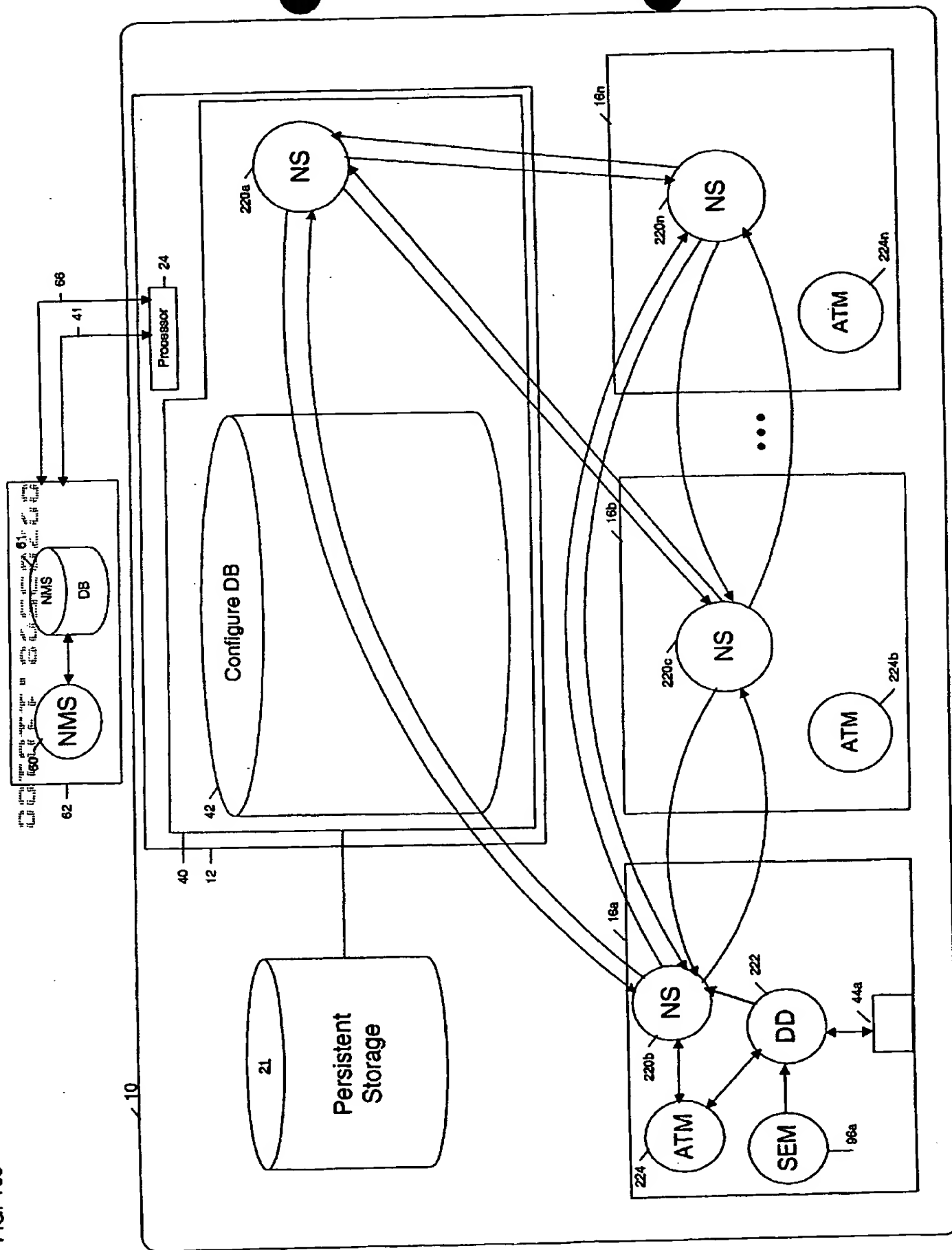


FIG. 16d

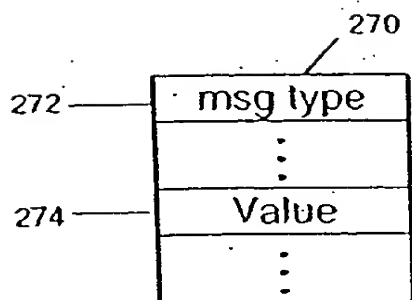


FIG. 16d

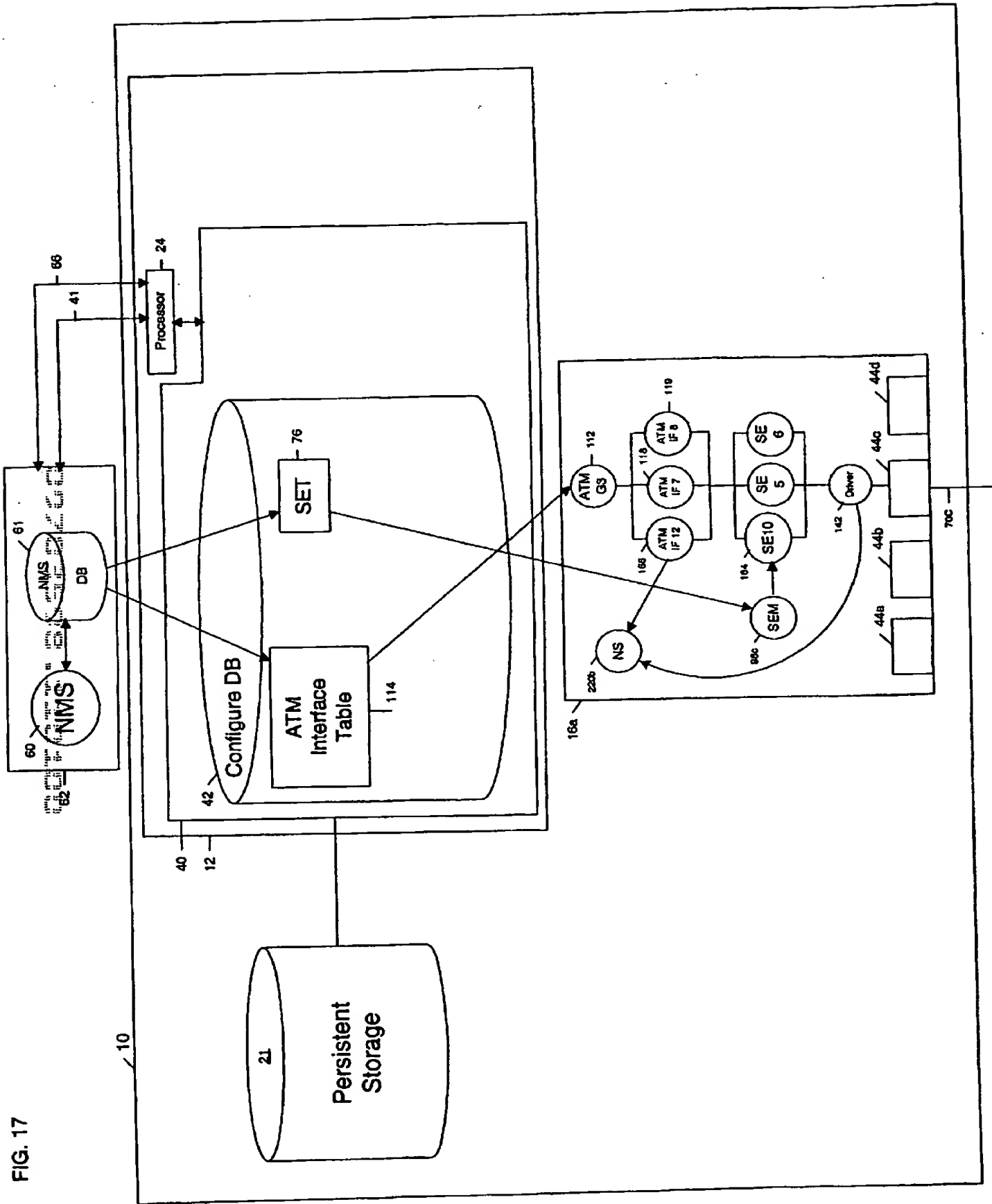


FIG. 18

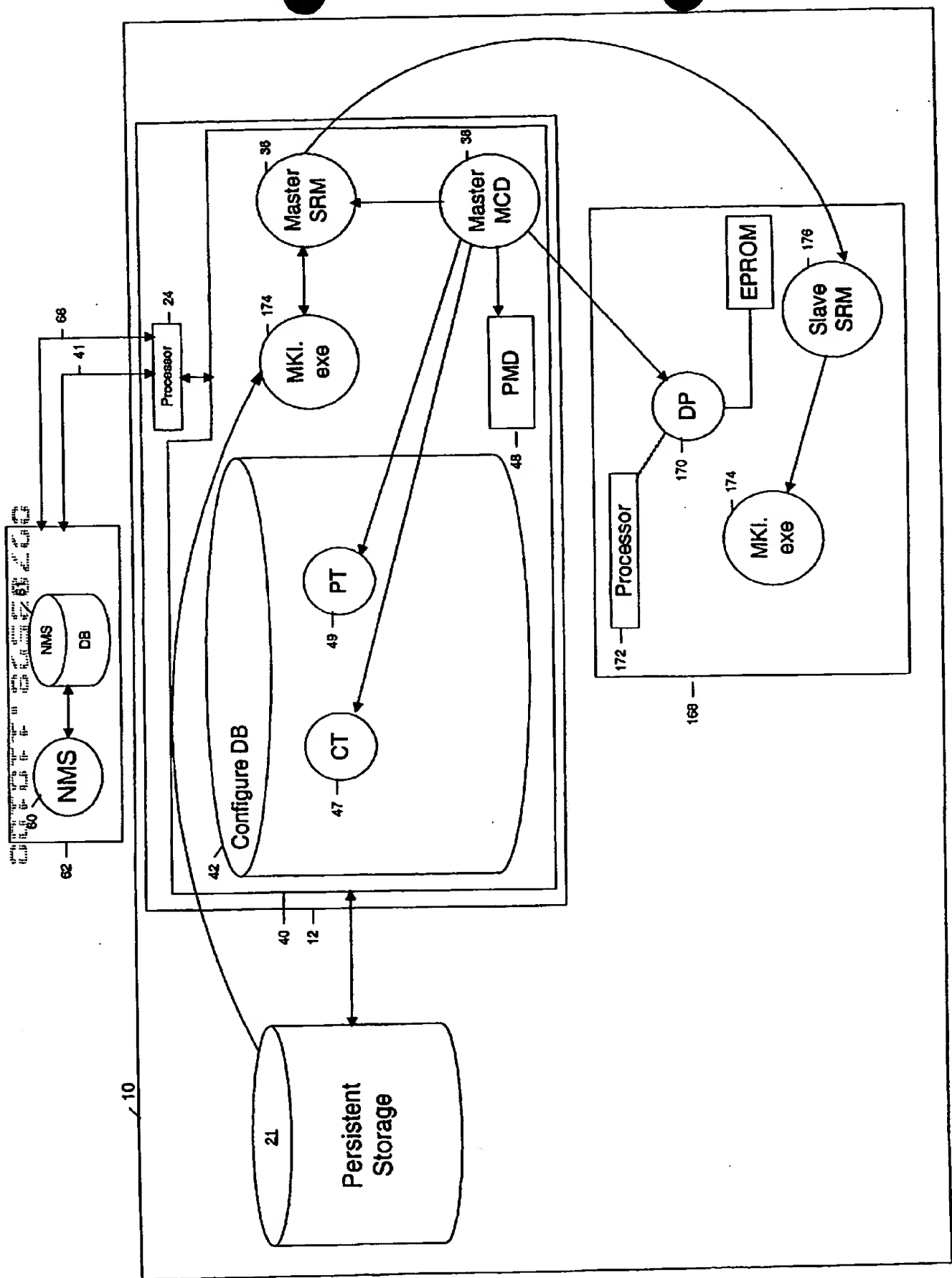
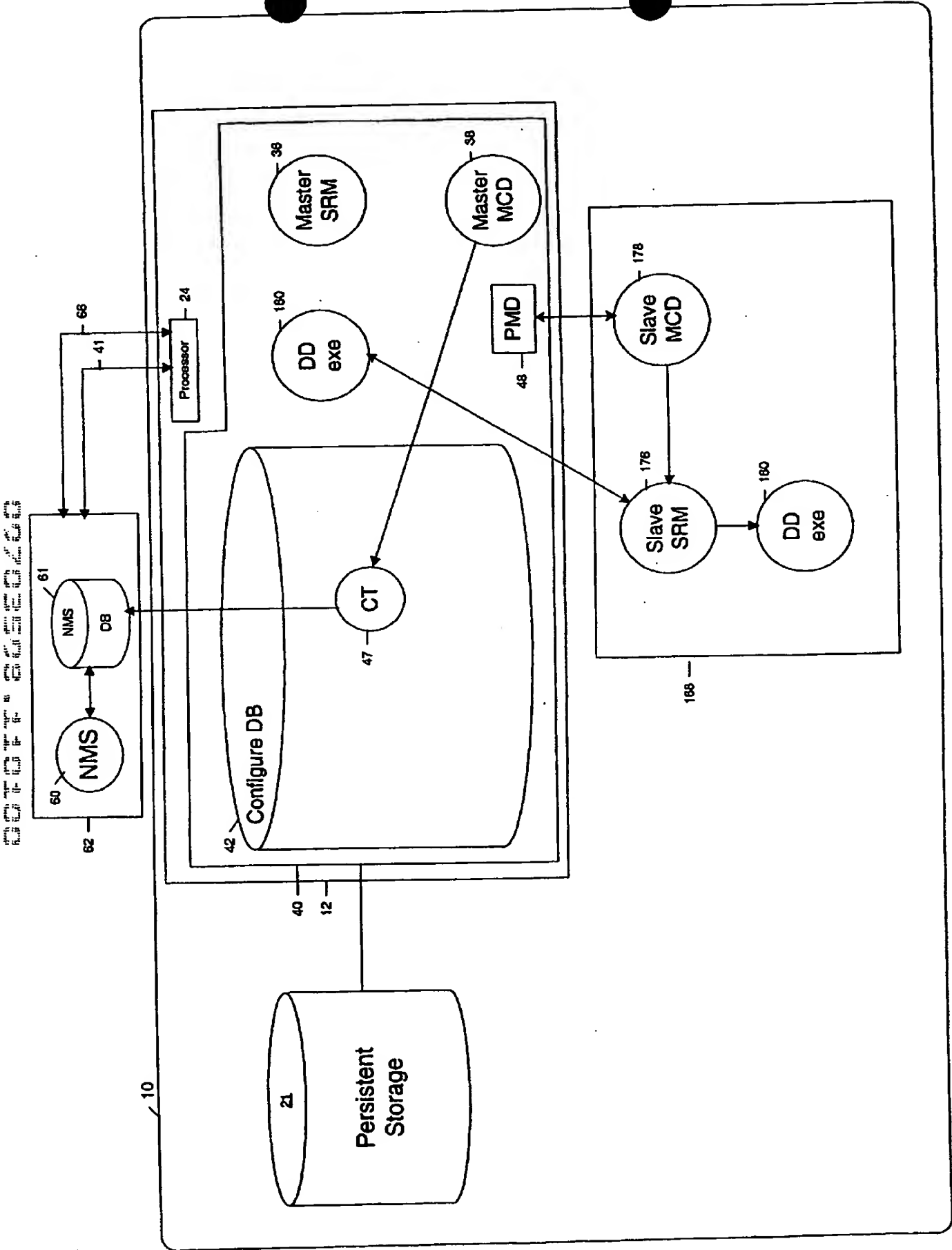


FIG. 19



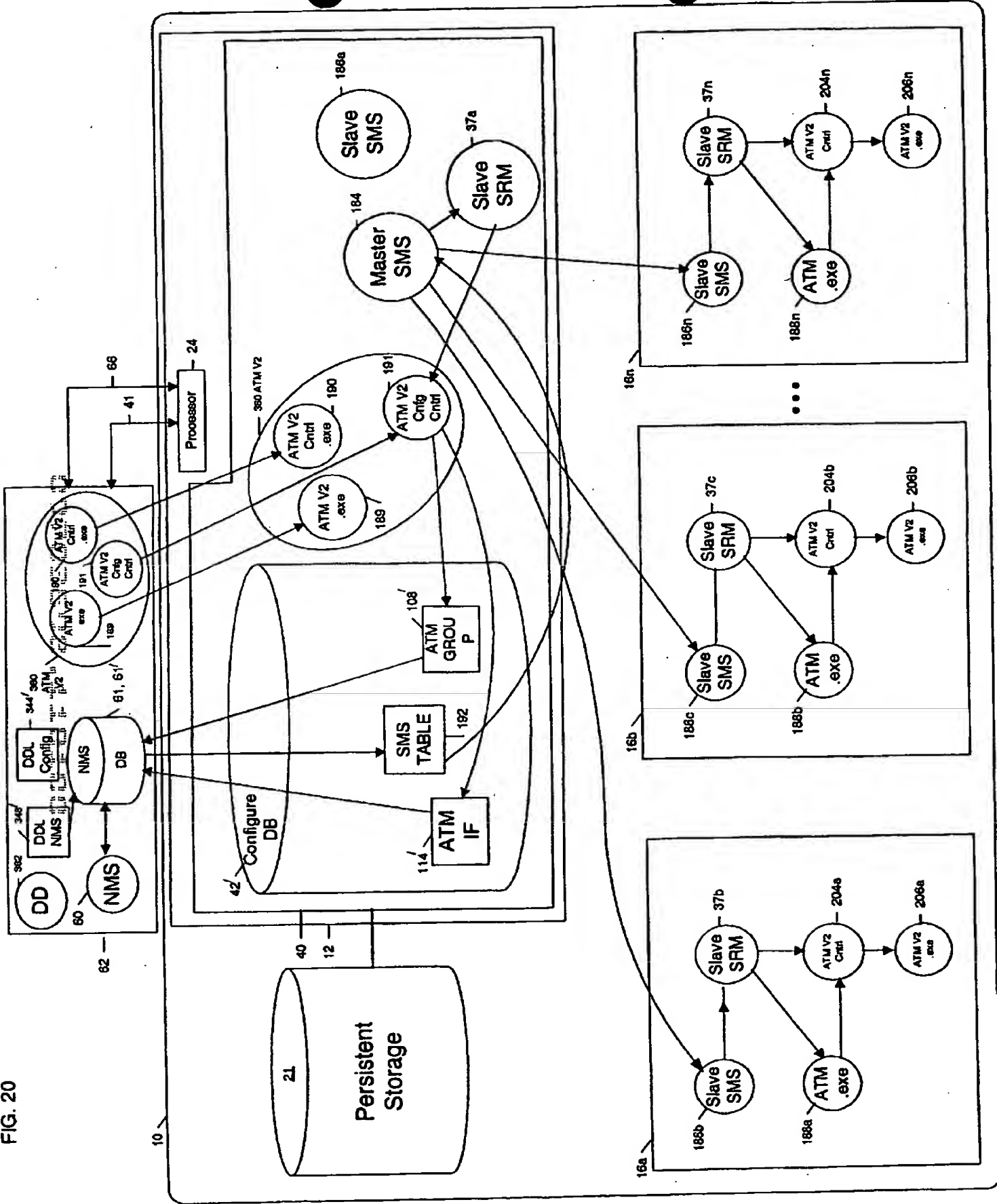


FIG. 20

FIG. 21

FIG. 21

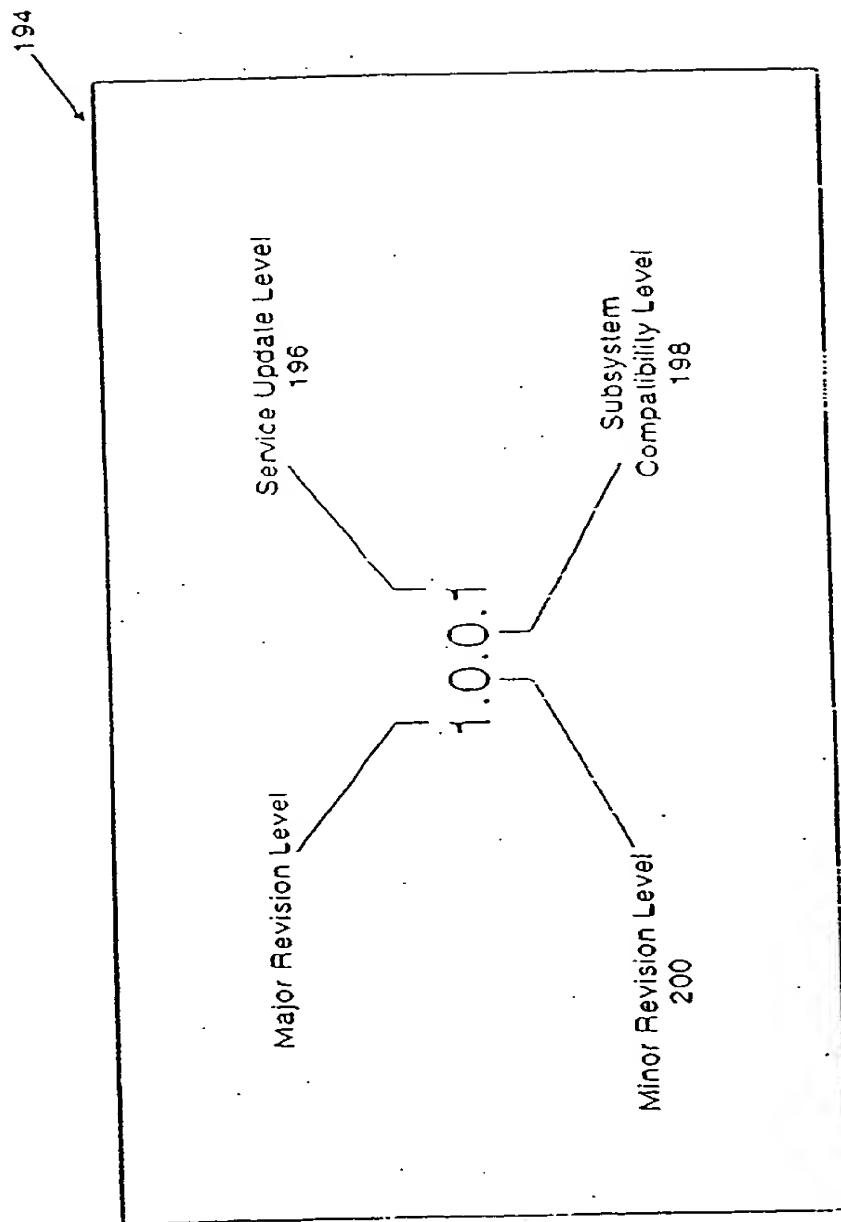


FIG. 22

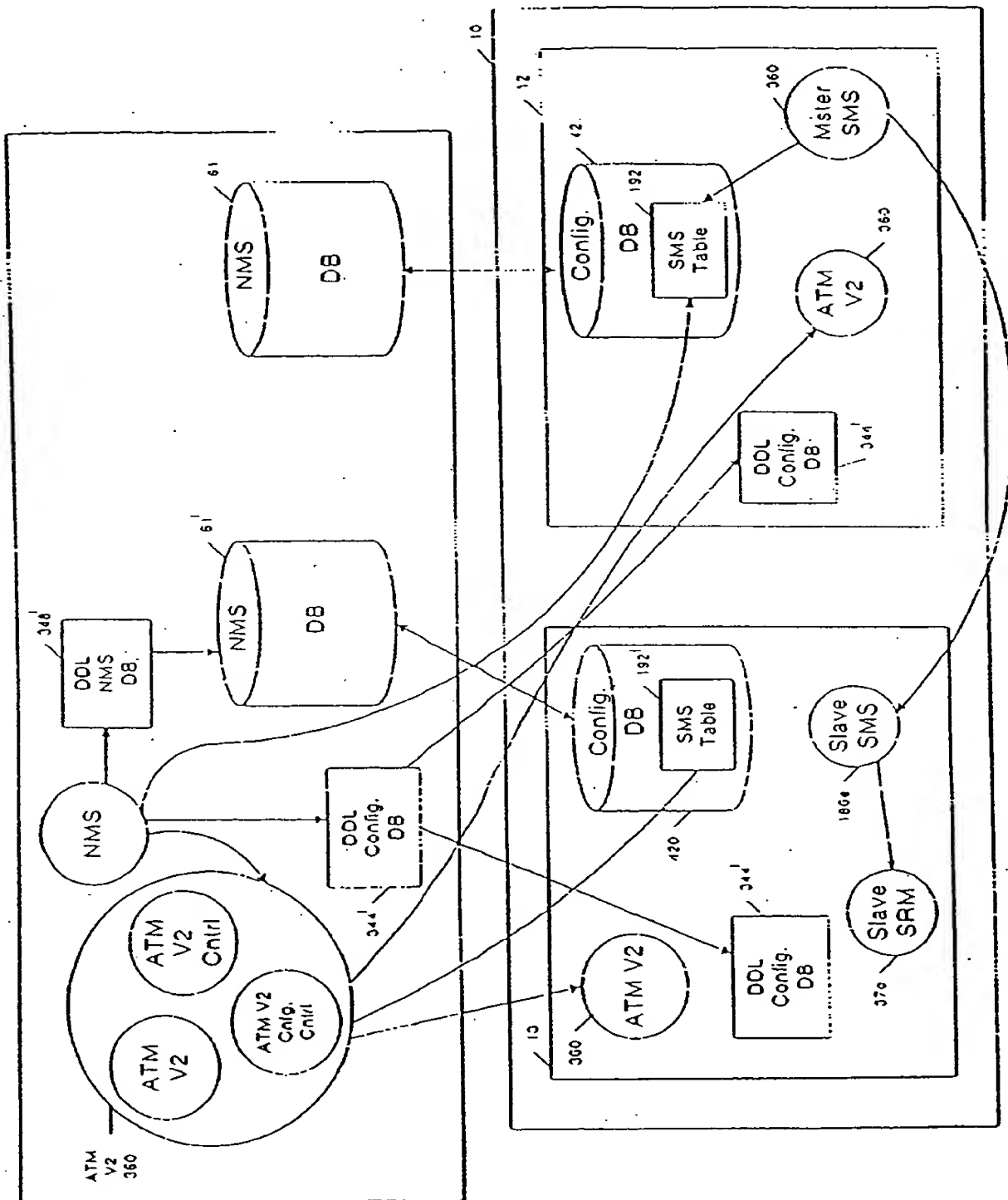


FIG. 23

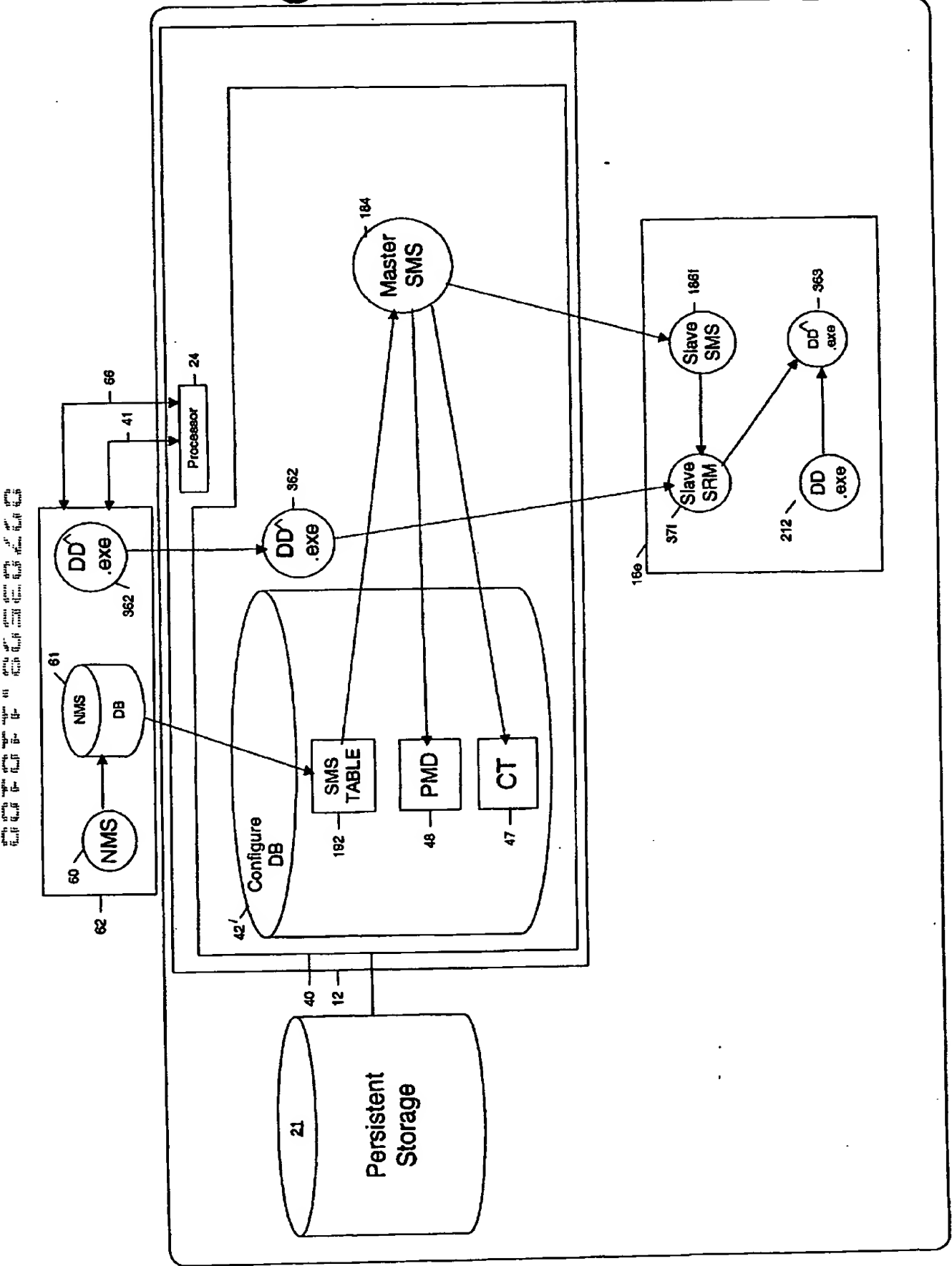


FIG. 24

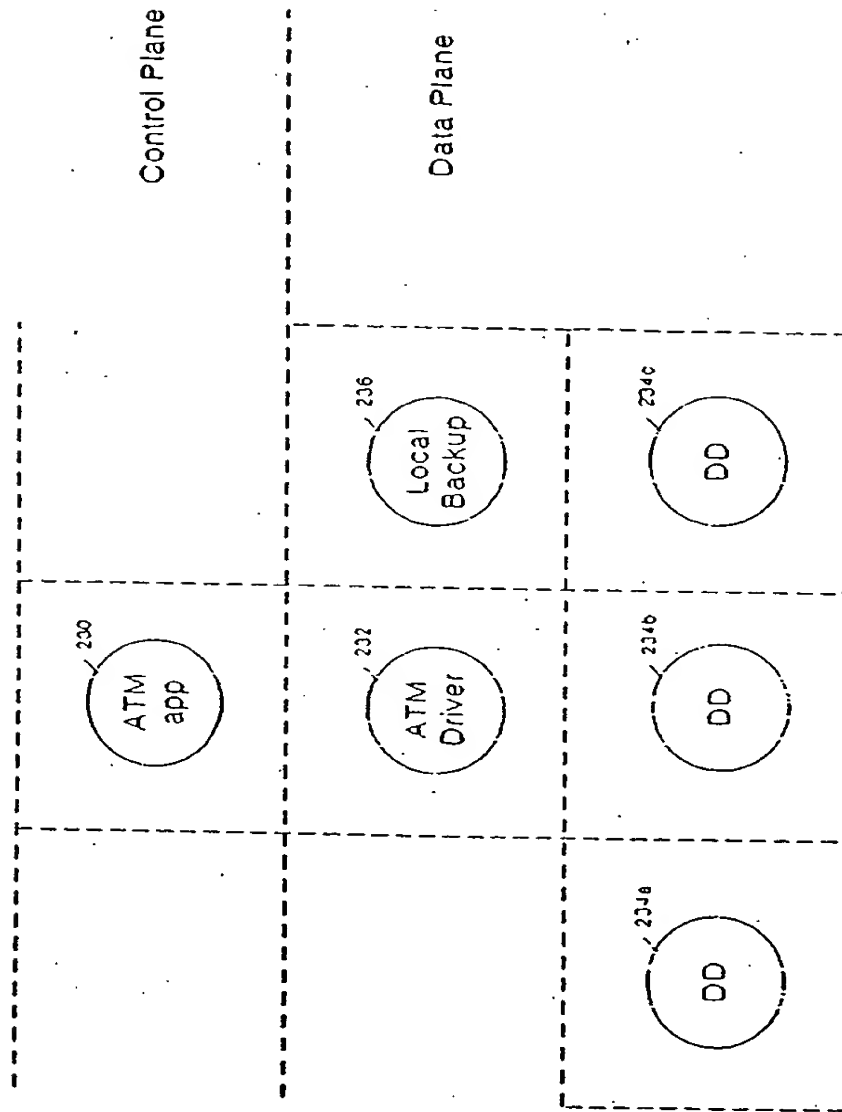


FIG. 25

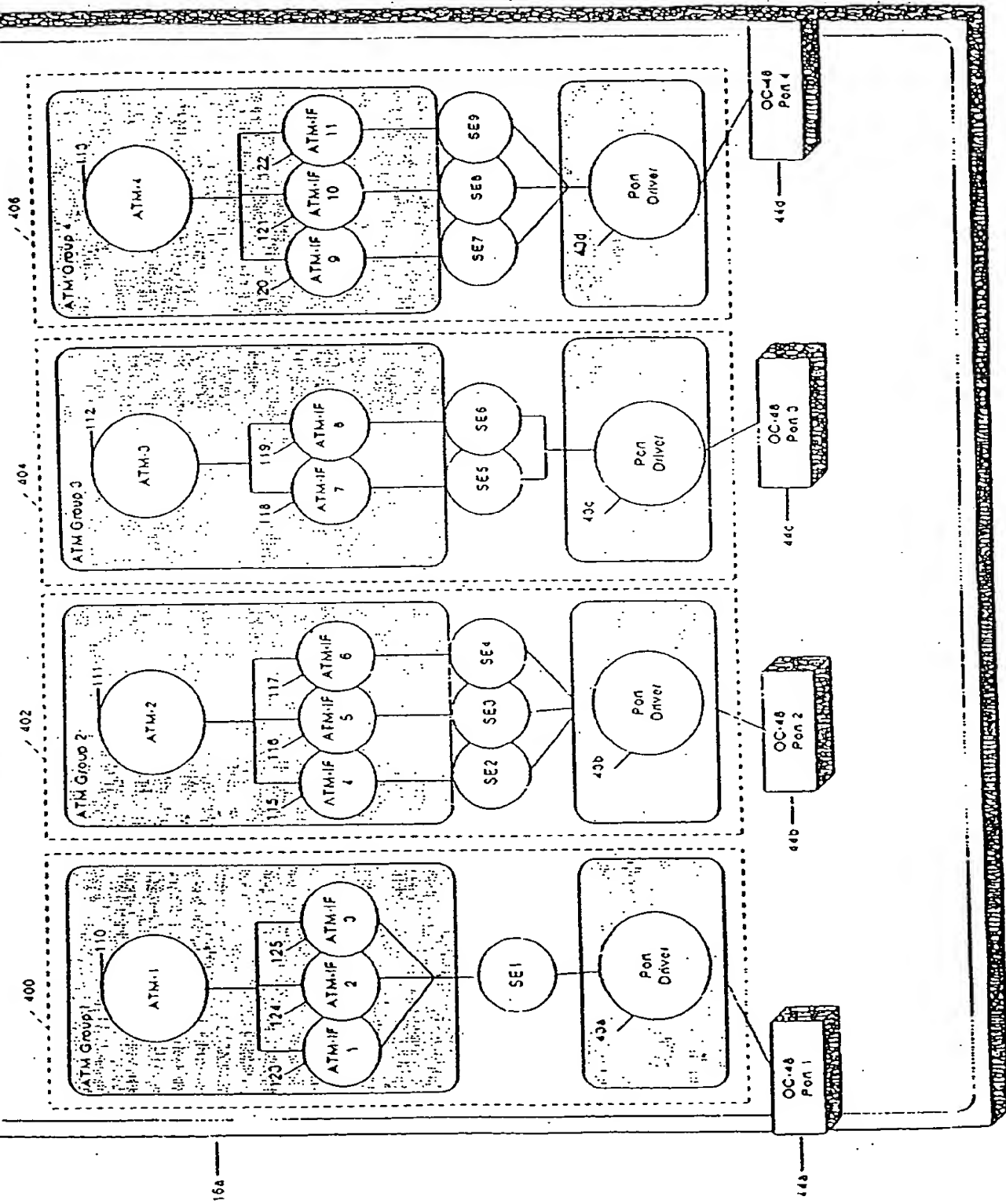


FIG. 26

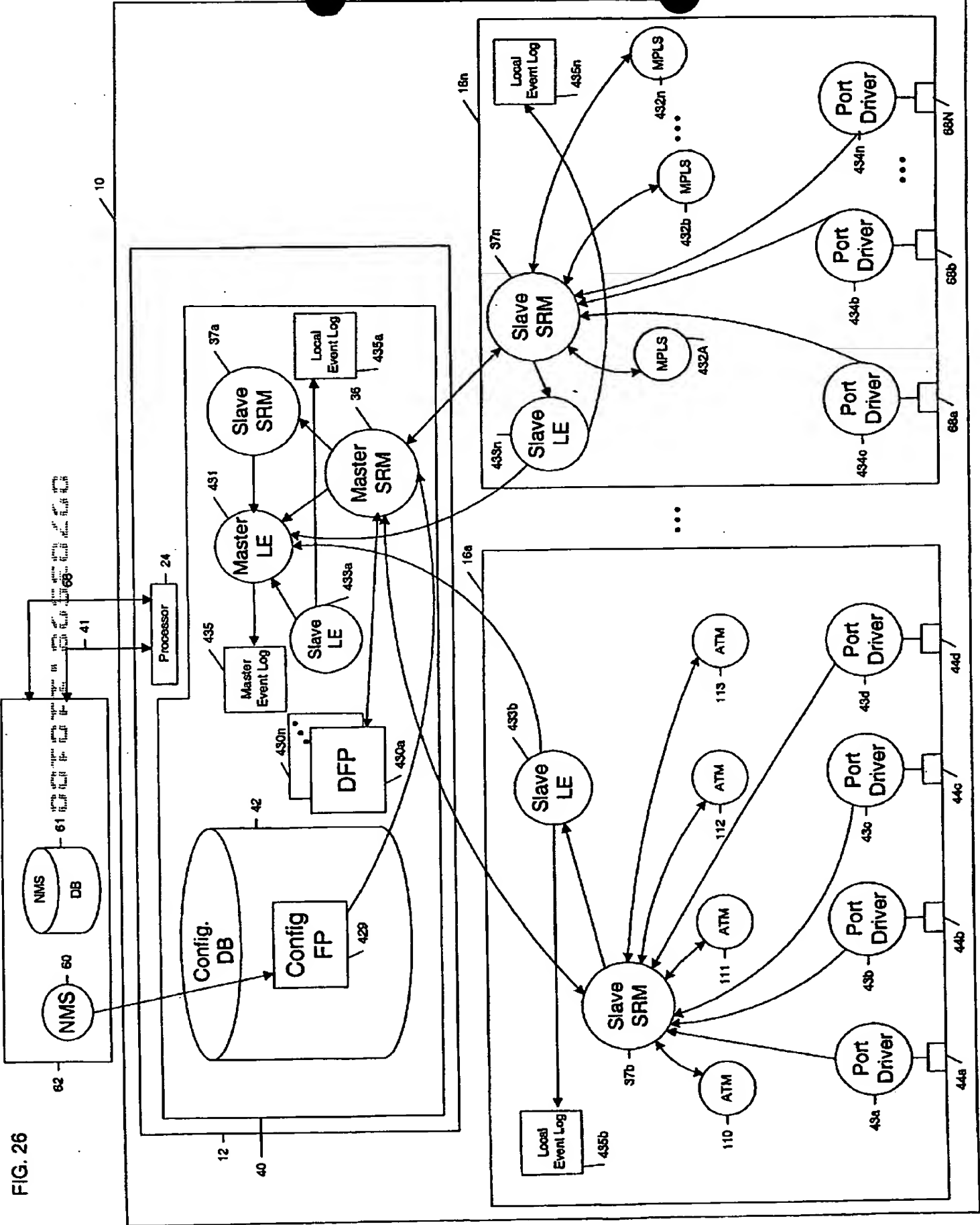


FIG. 27

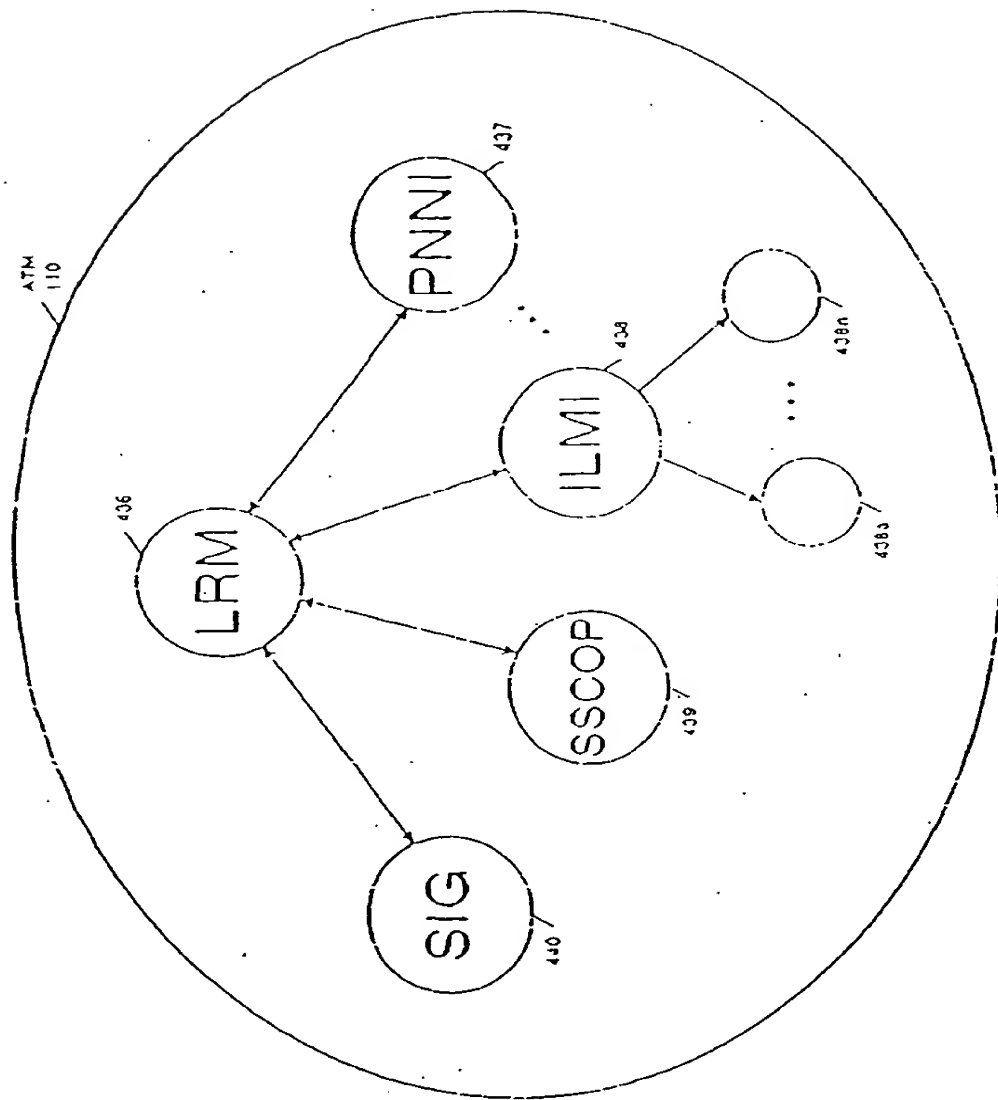


FIG. 28

FIG. 28

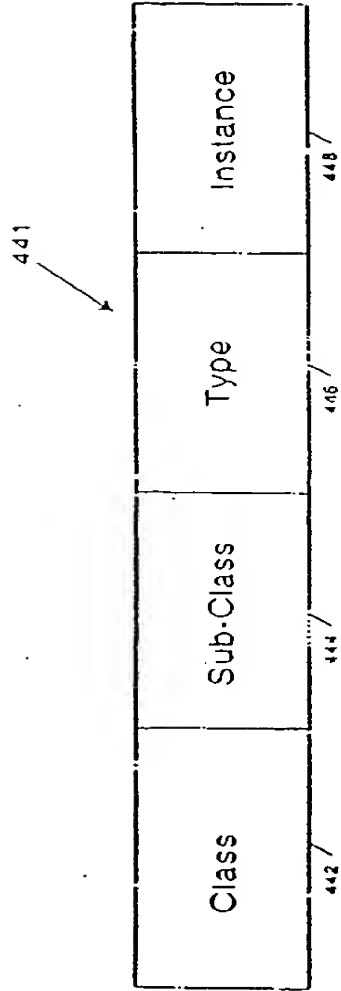
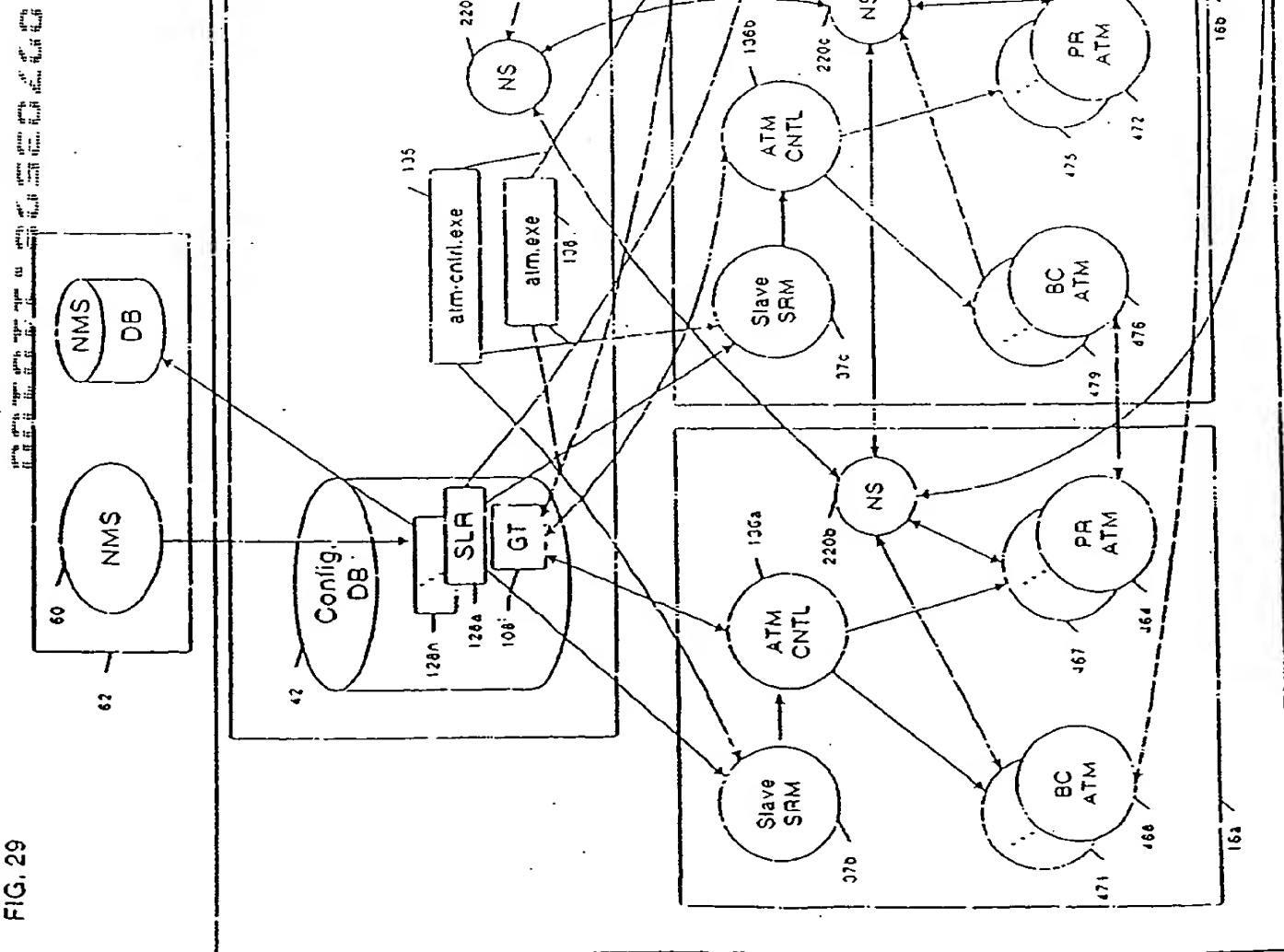


FIG. 29



Group Table 108

447

449

	Group #	Primary Card LID	Backup Card LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	⋮	⋮	⋮	⋮

GROUP 108

Fig. 31a

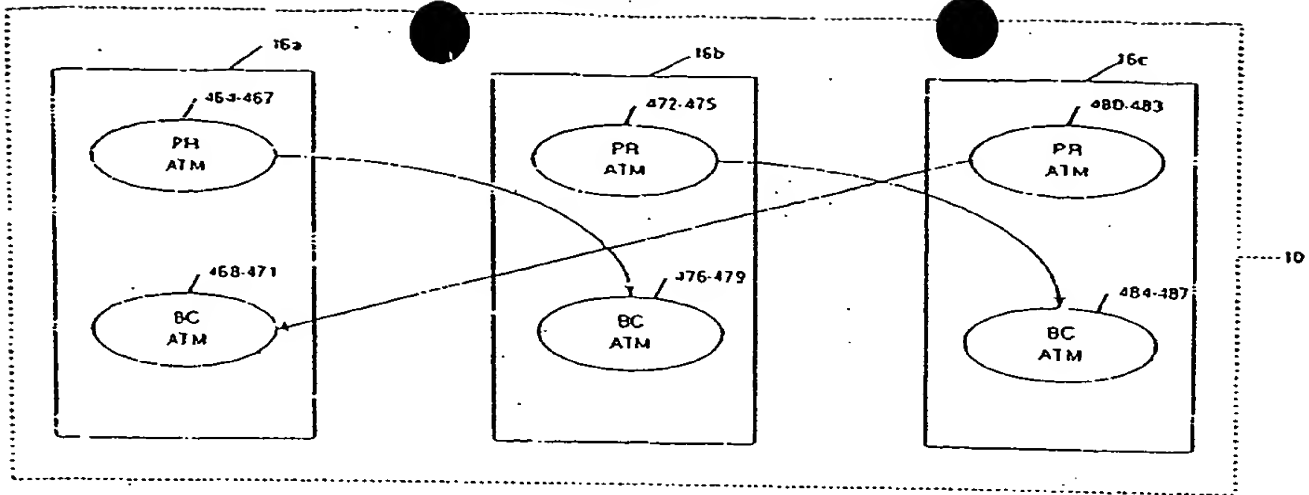


Fig. 31b

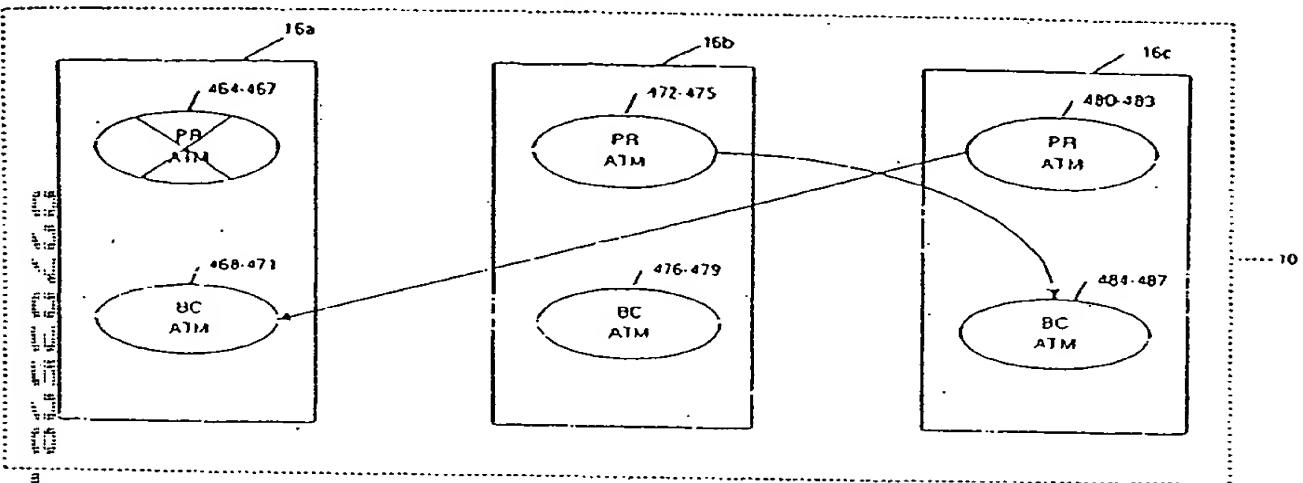


Fig. 31c

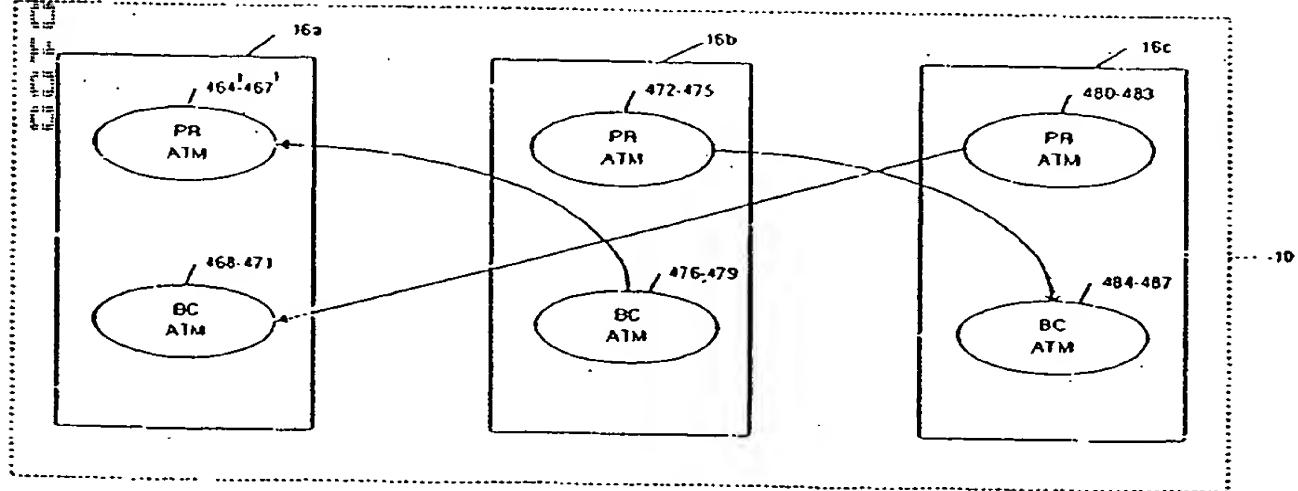


Fig. 32a

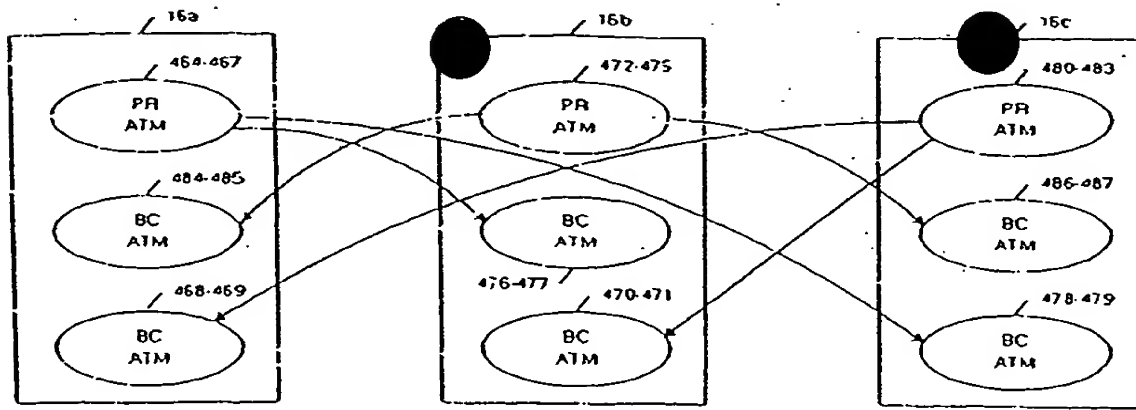


Fig. 32A

Fig. 32b

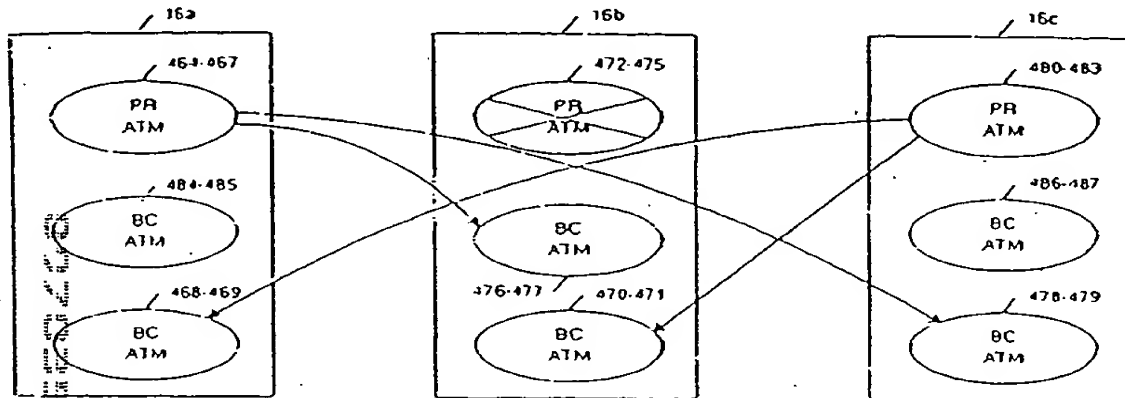


Fig. 32c

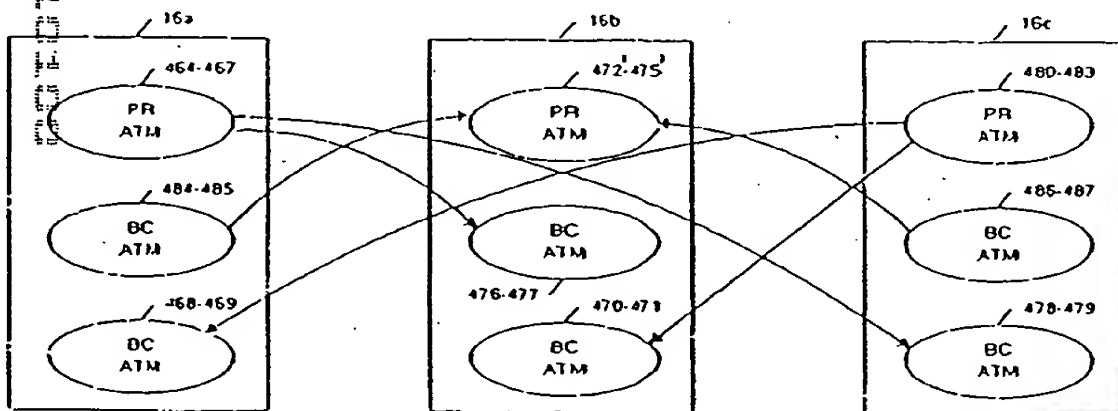


FIG. 33a

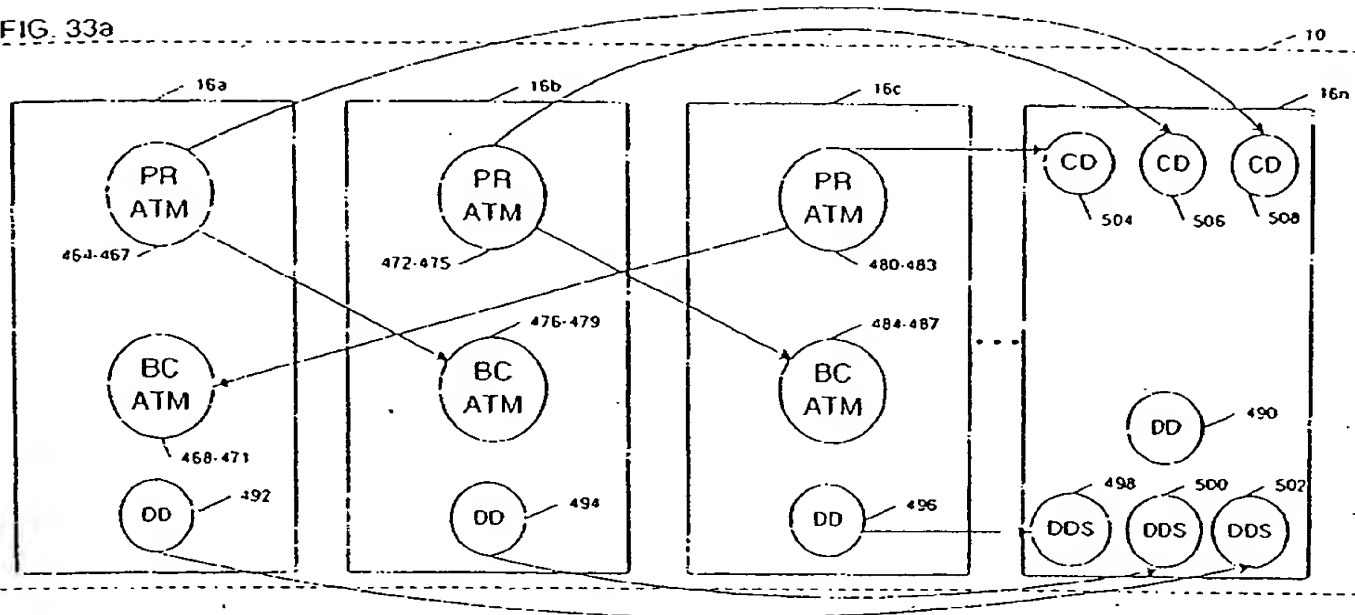


FIG. 33b

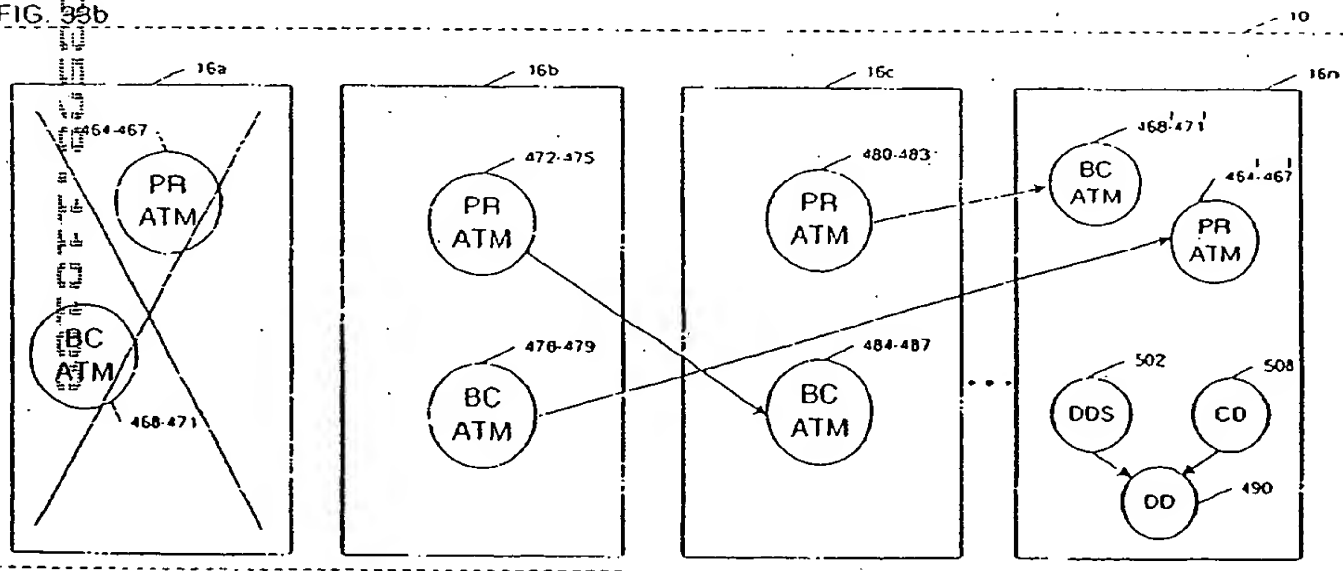


FIG. 33c

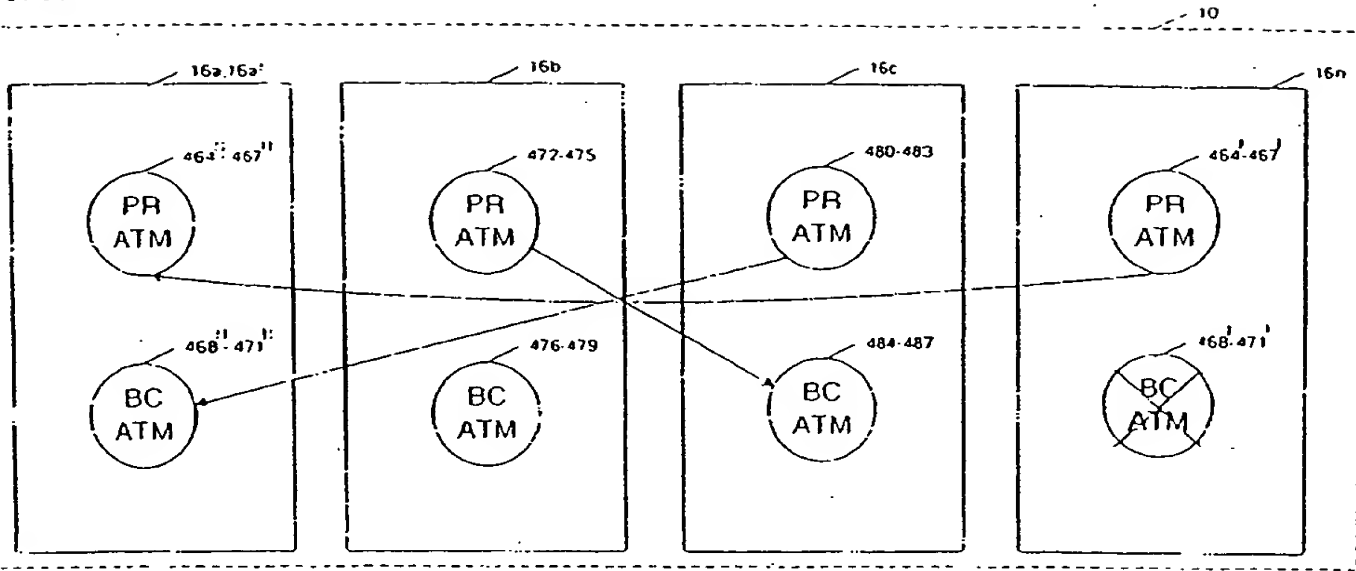


FIG. 33d

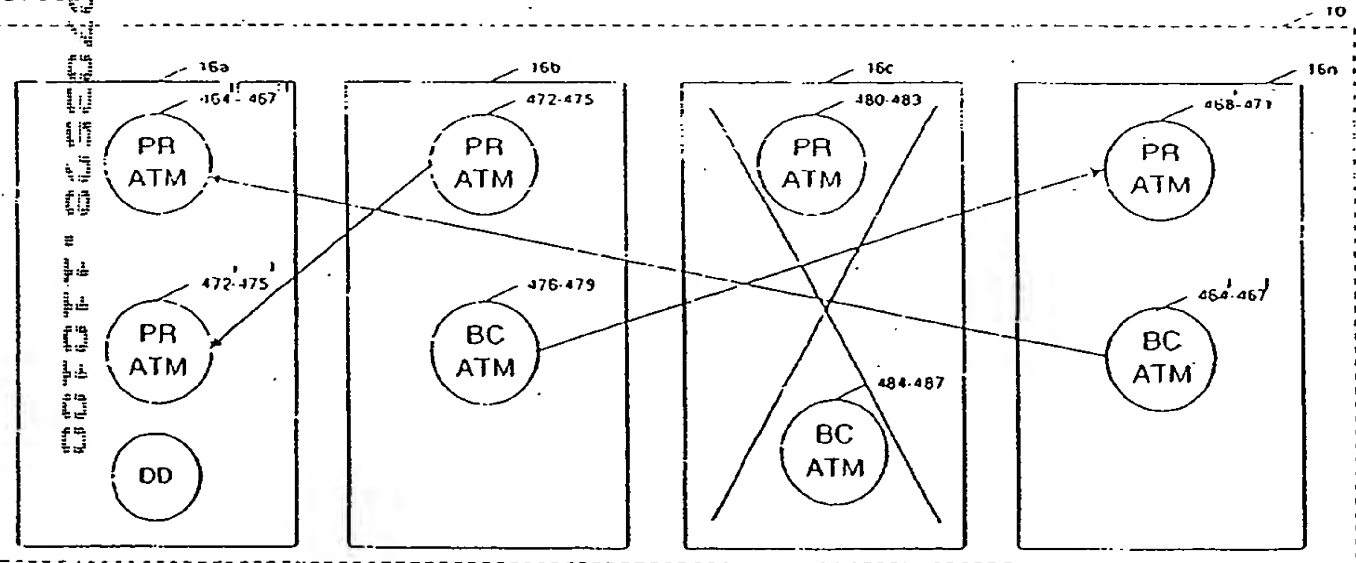


Fig. 34a

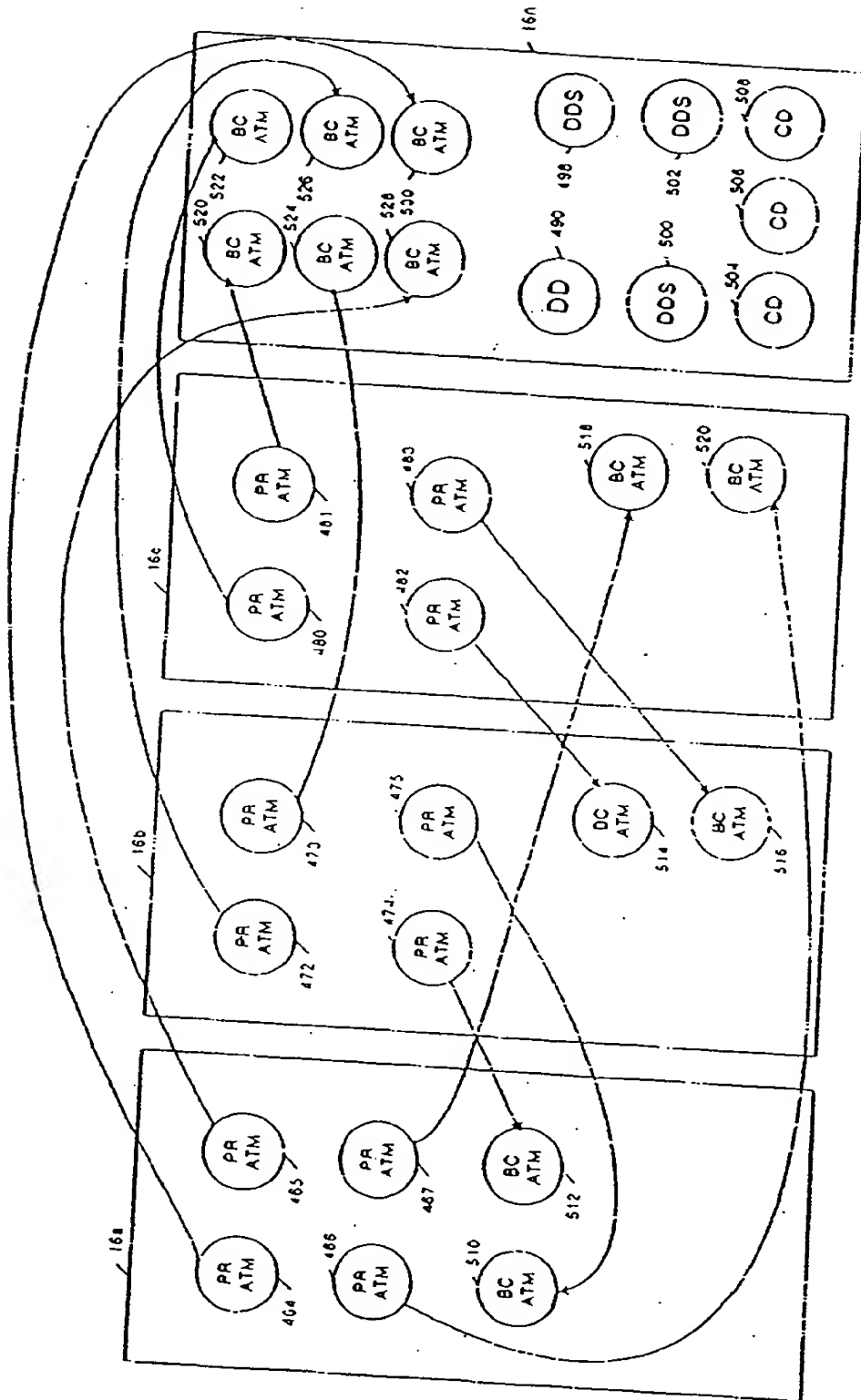


FIG. 34b

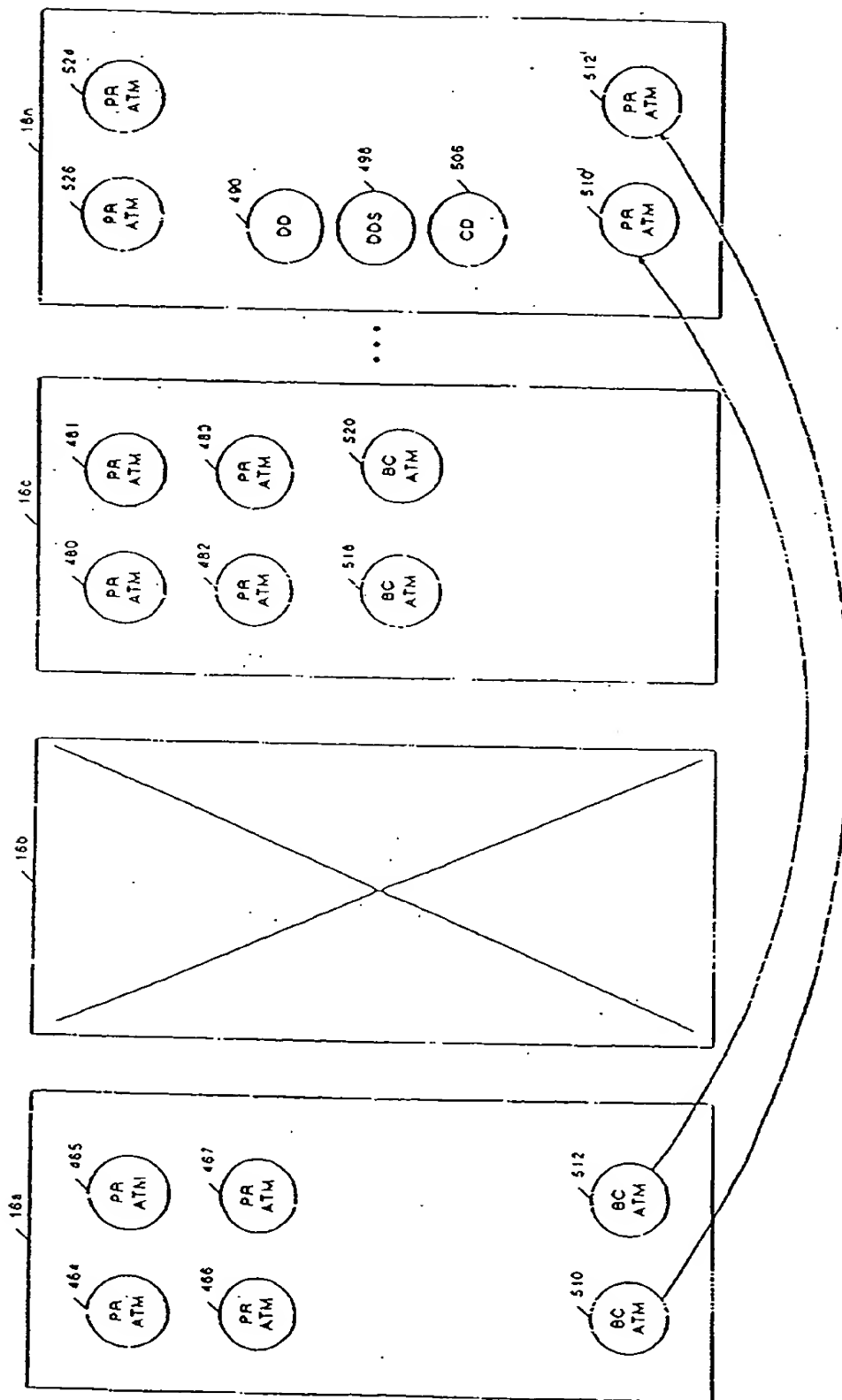
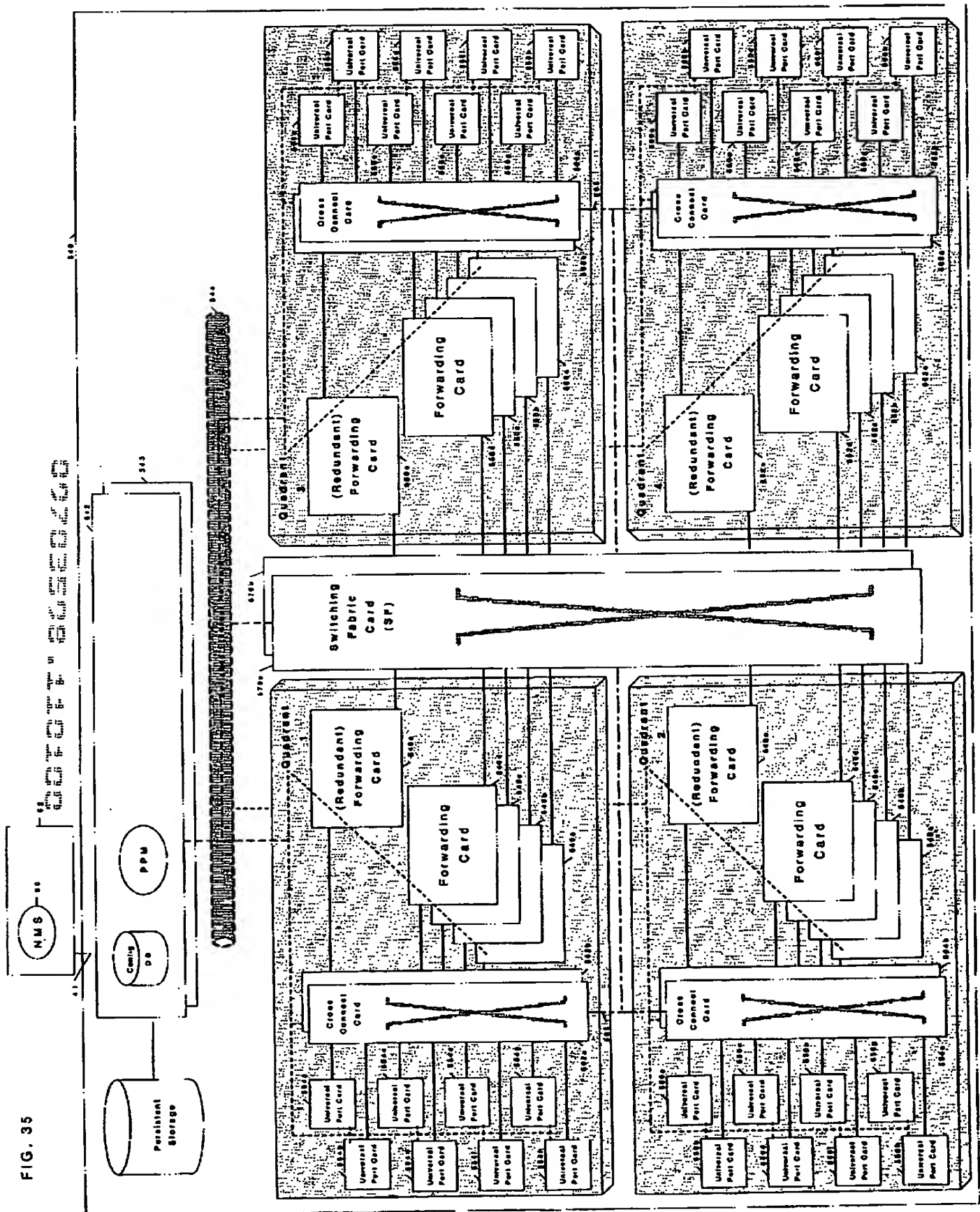


FIG. 35



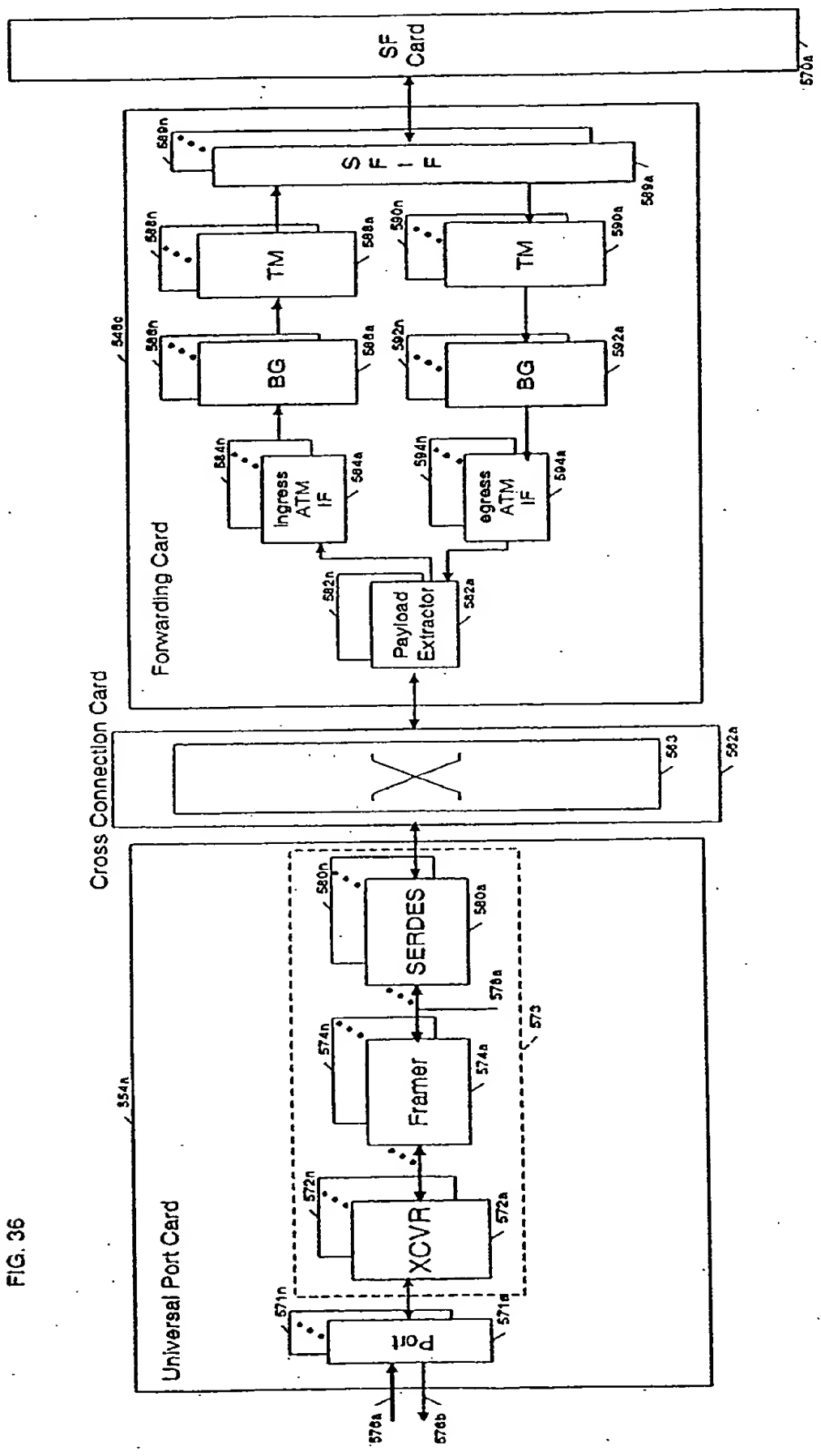


FIG. 36

FIG. 37

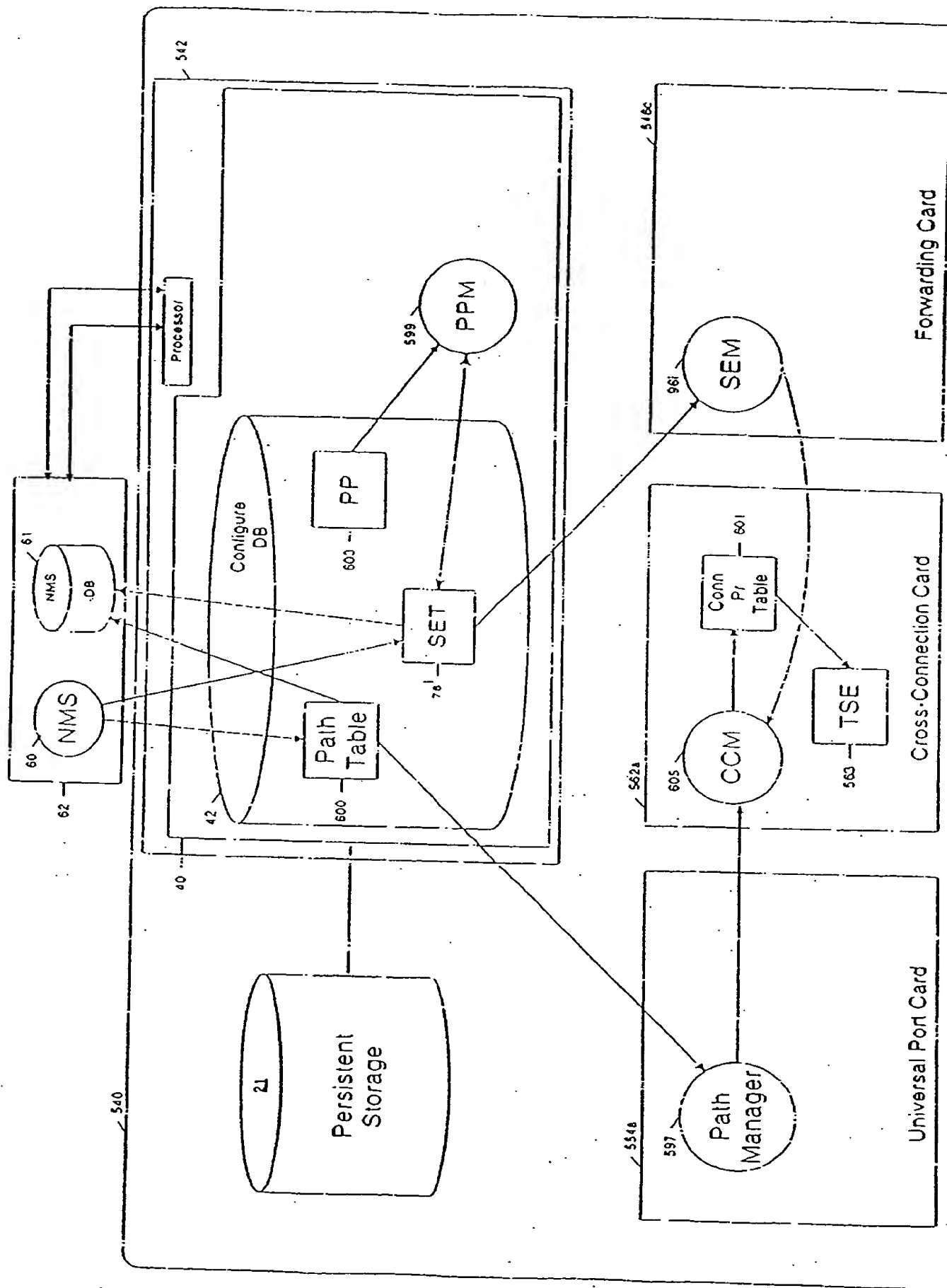


FIG. 38

Path Table 600

602

Path LID	UP Port LID	Time Slot	# of Time Slots	...
1666	1231	4	3	
...

FIG. 39

FIG. 39

Service End Point Table 76'

604						
SE #	Q #	FC LID	FC Slice	FC Time Slot	Path PID	...
878	1				1666	
...

540 →

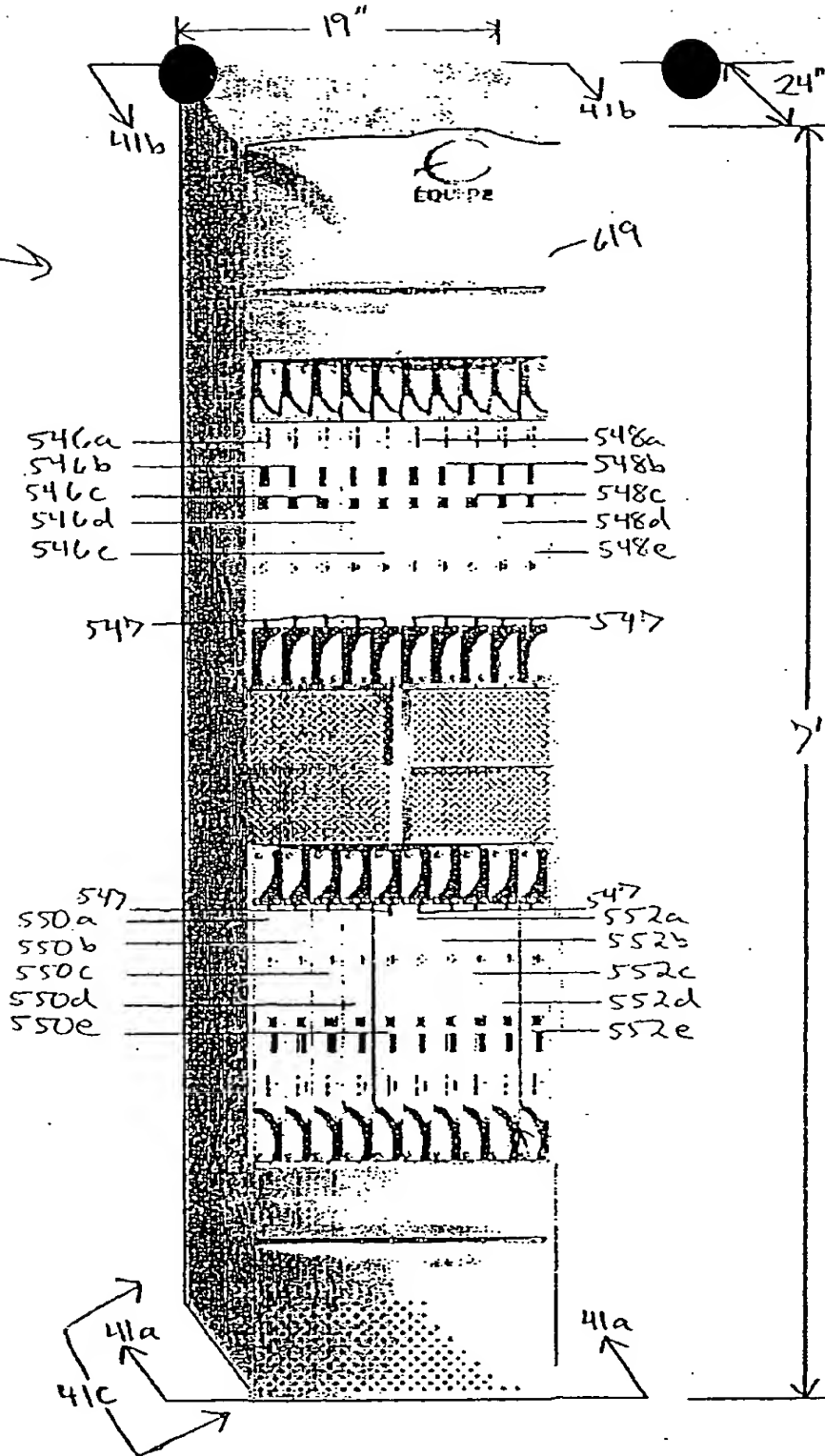


Fig. 40

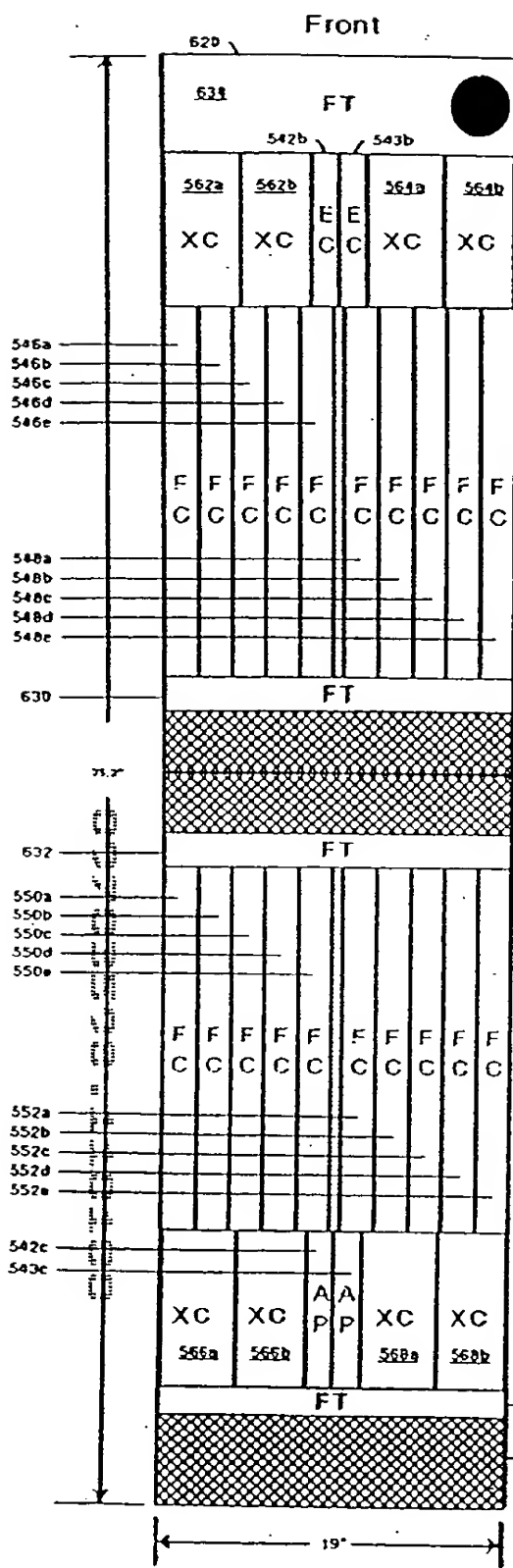


Fig. 41A

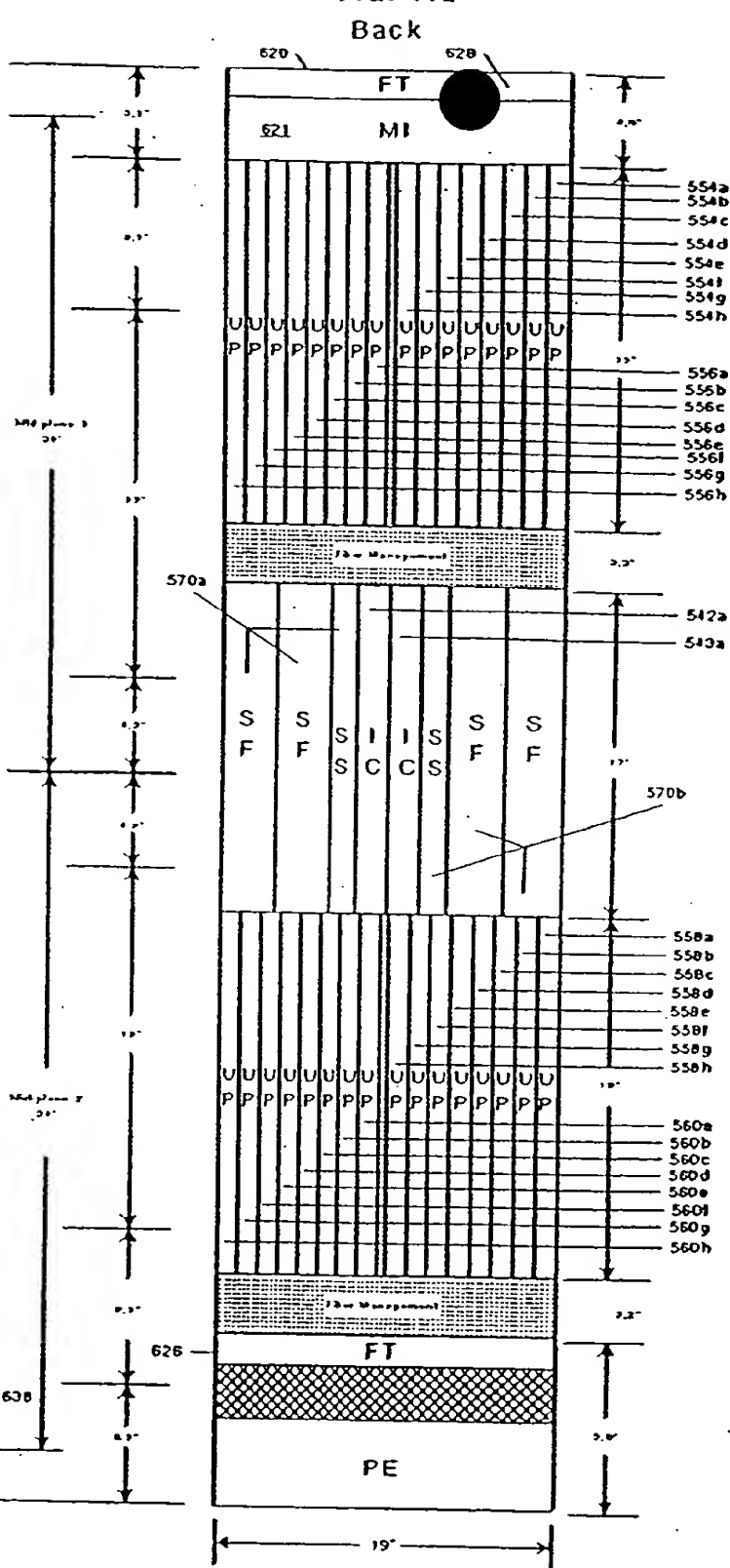


Fig. 41B

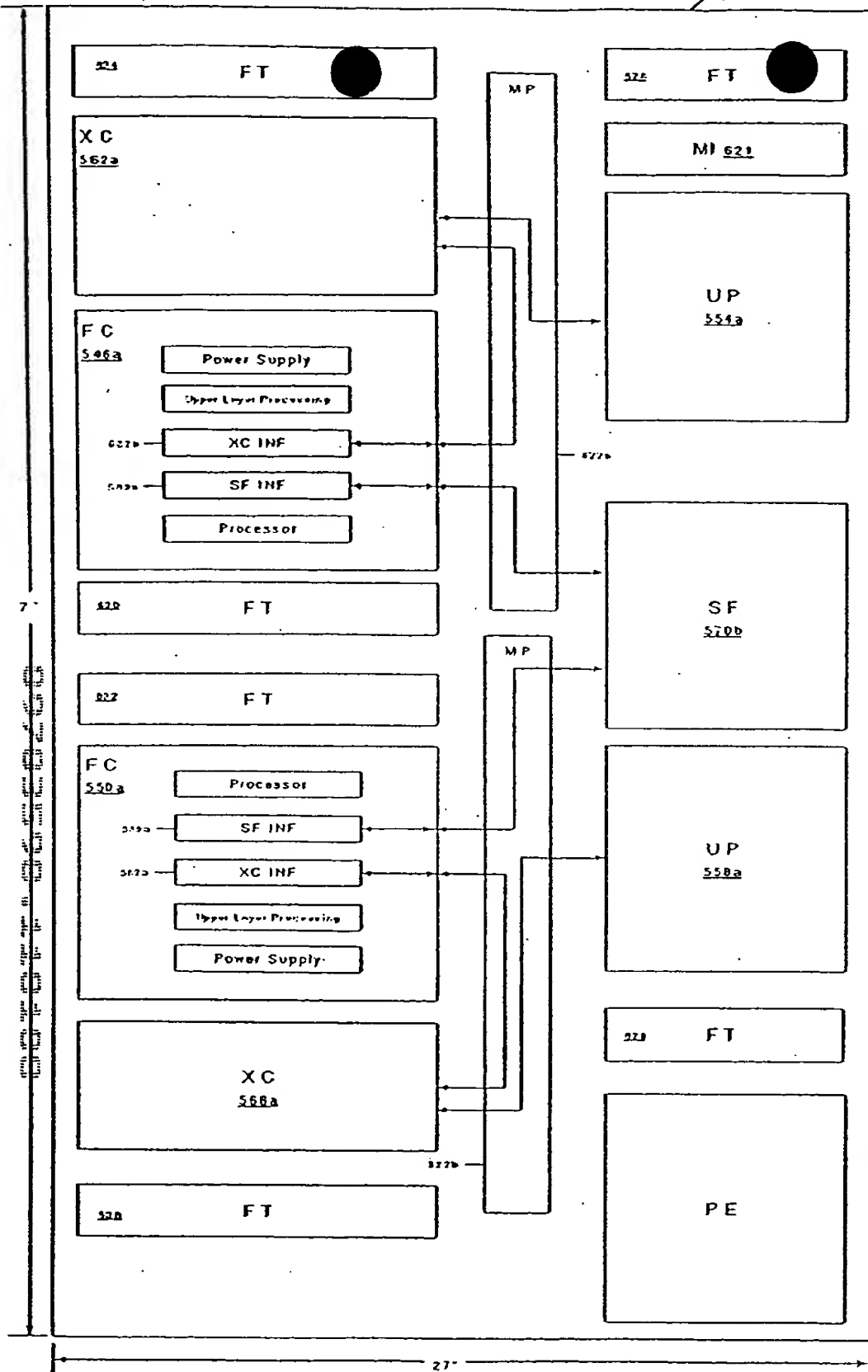


Fig. 41C

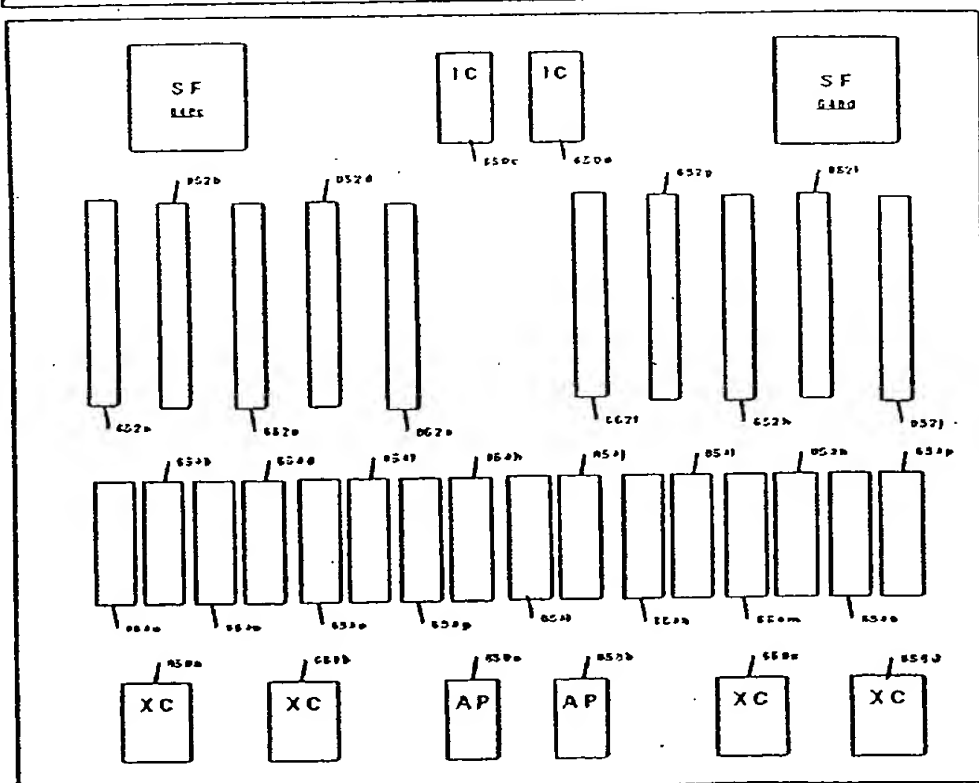
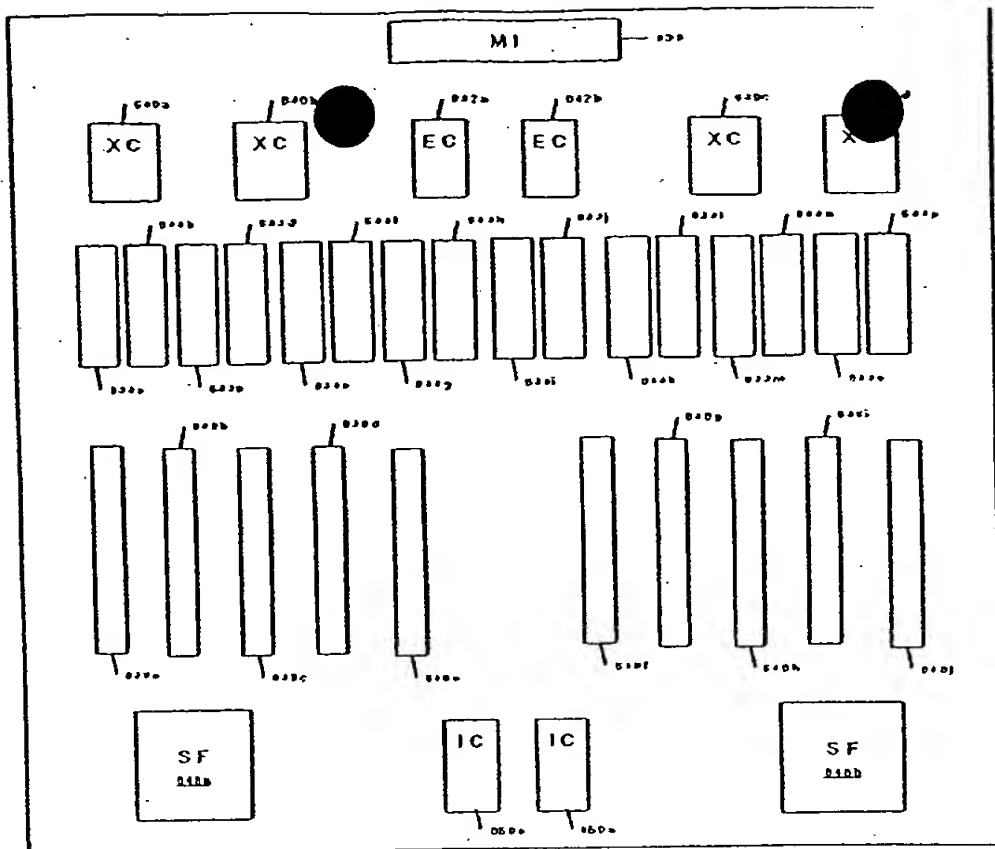
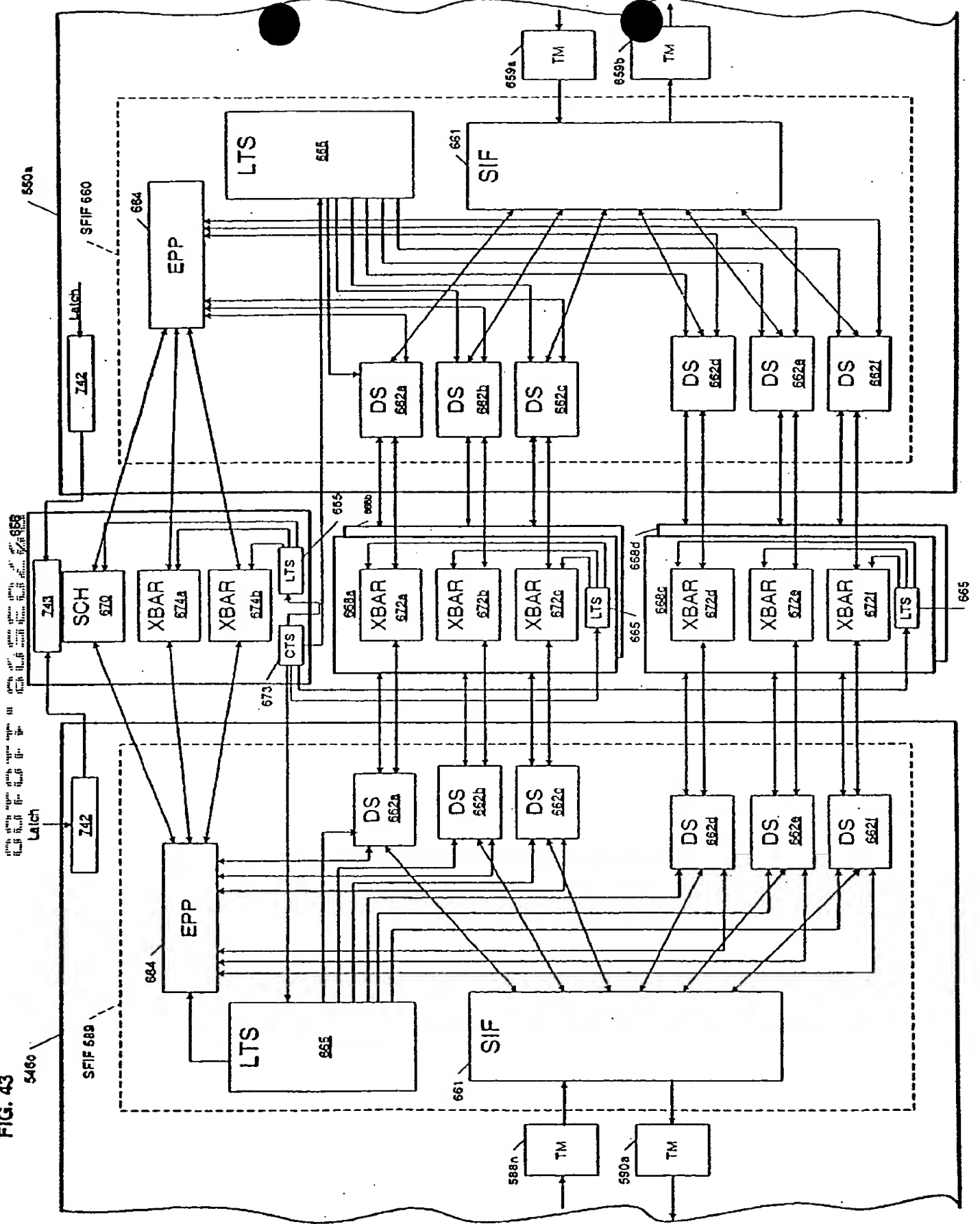


Fig. 42

FIG. 43



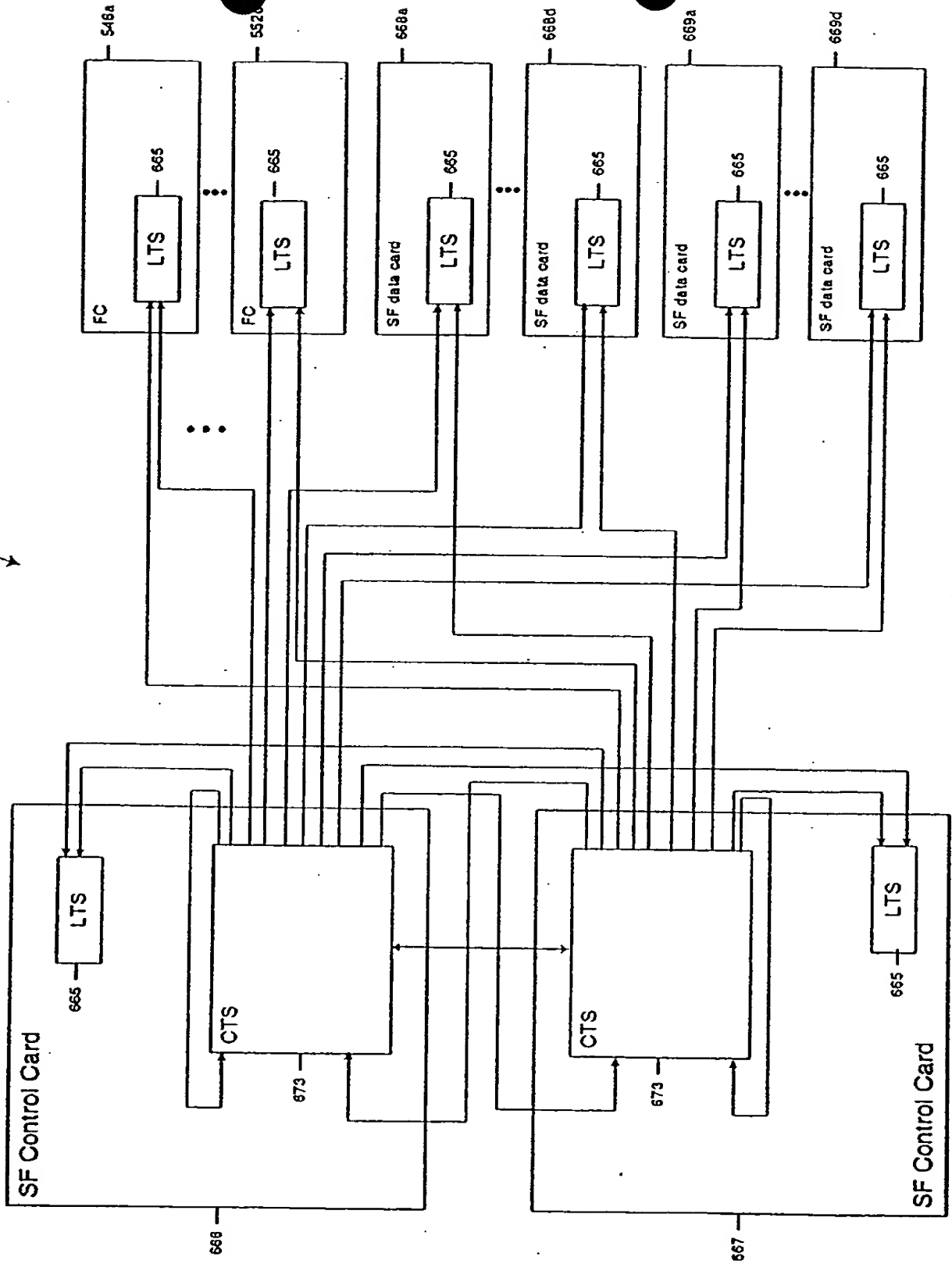
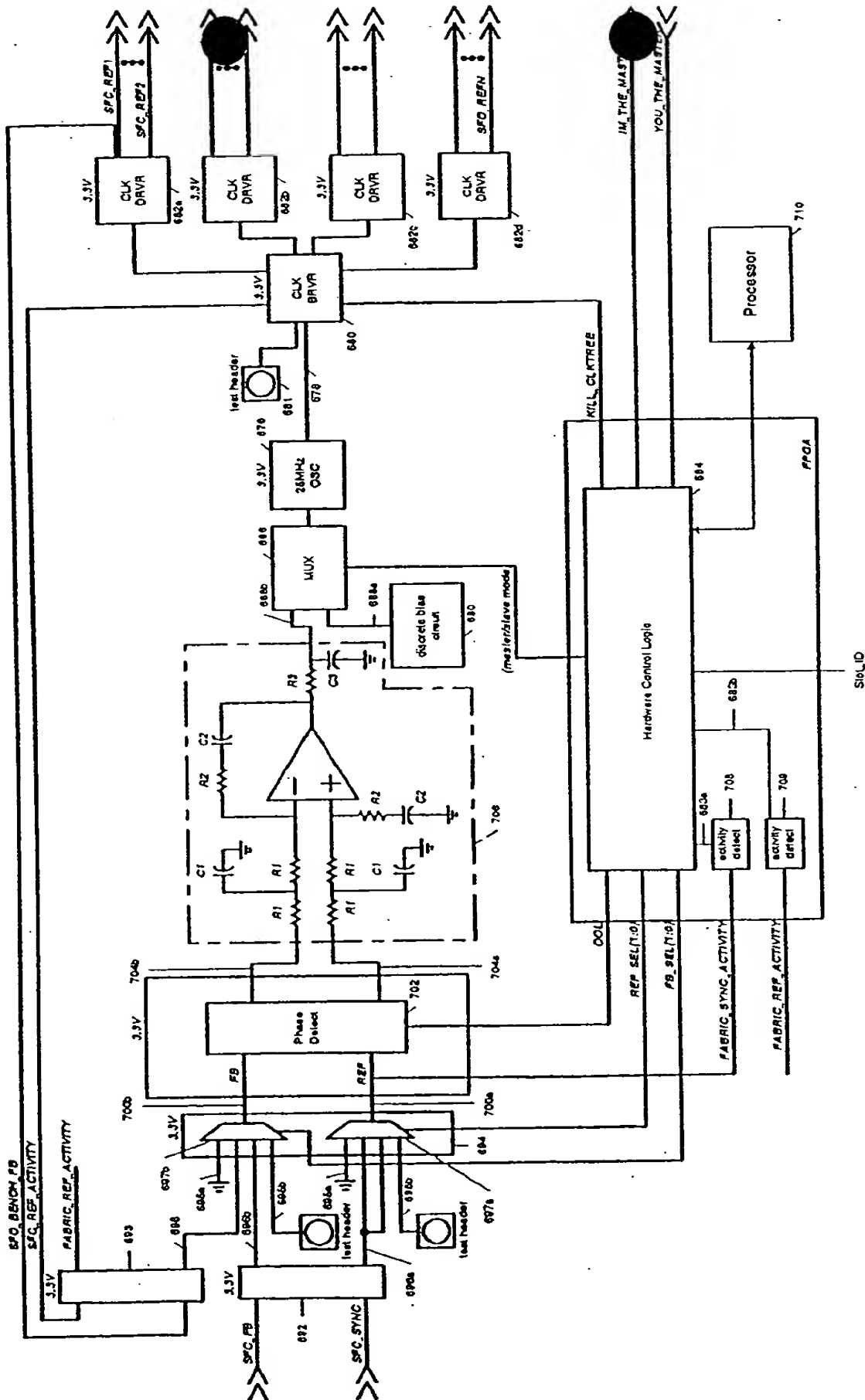


FIG. 44

FIG. 45



673

CTS

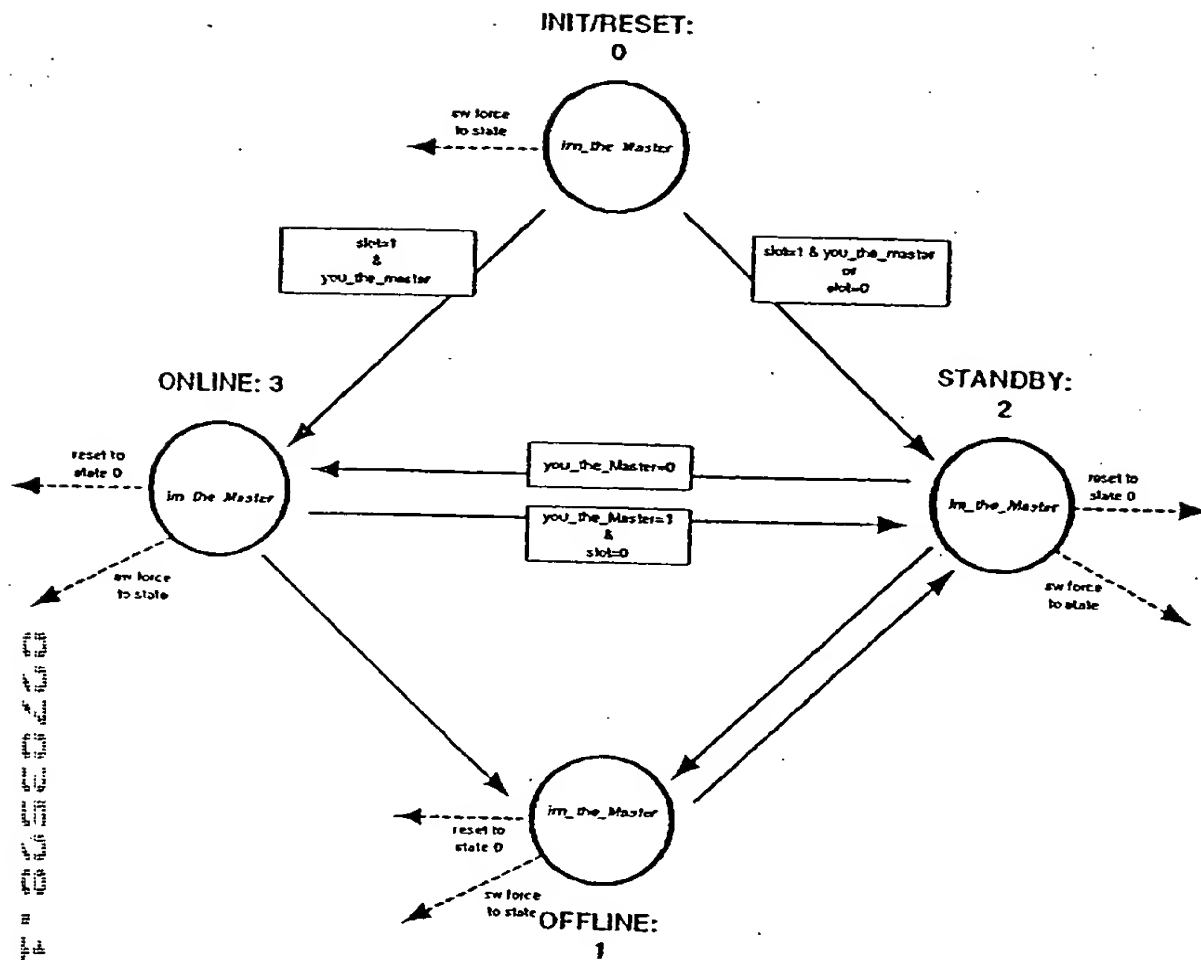
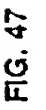


FIG. 46



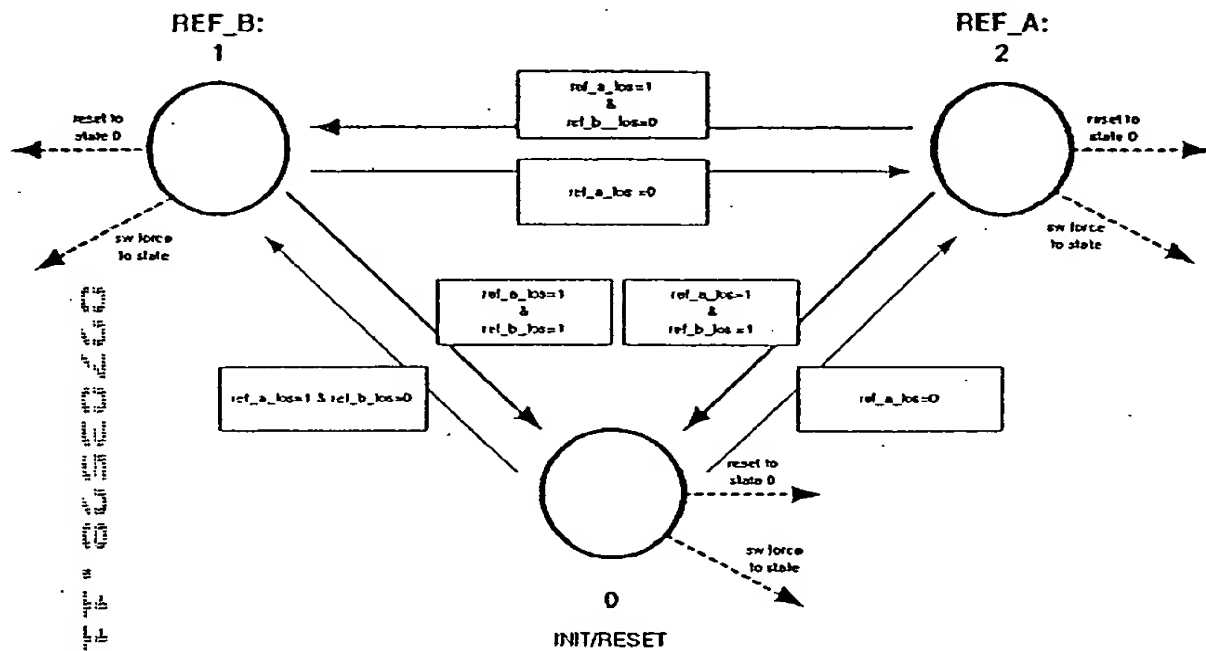


FIG. 48

FIG. 49

Jul-6-00 4:27PM

781 795 2031

Sent By: Equipe Communications

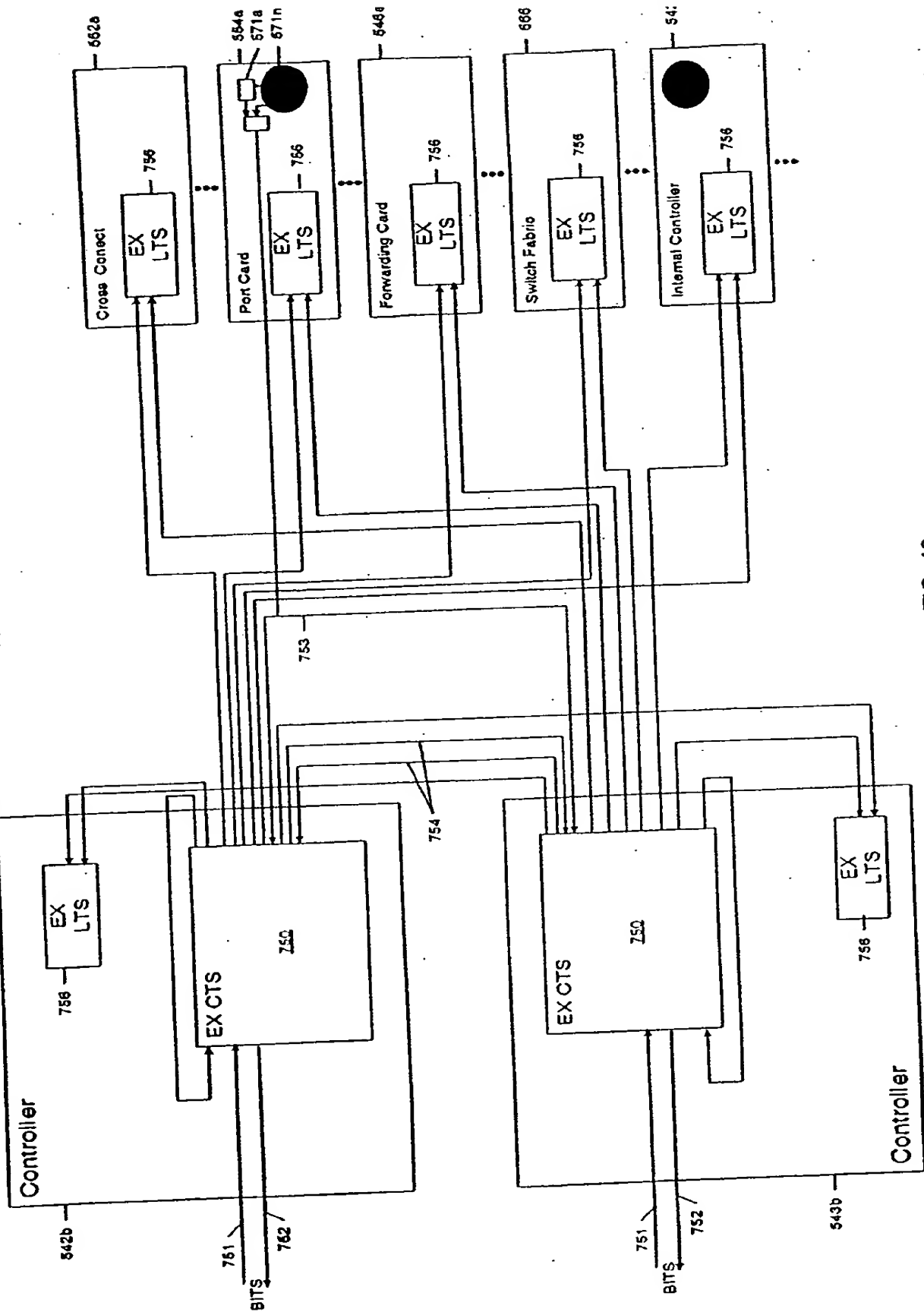


FIG. 49

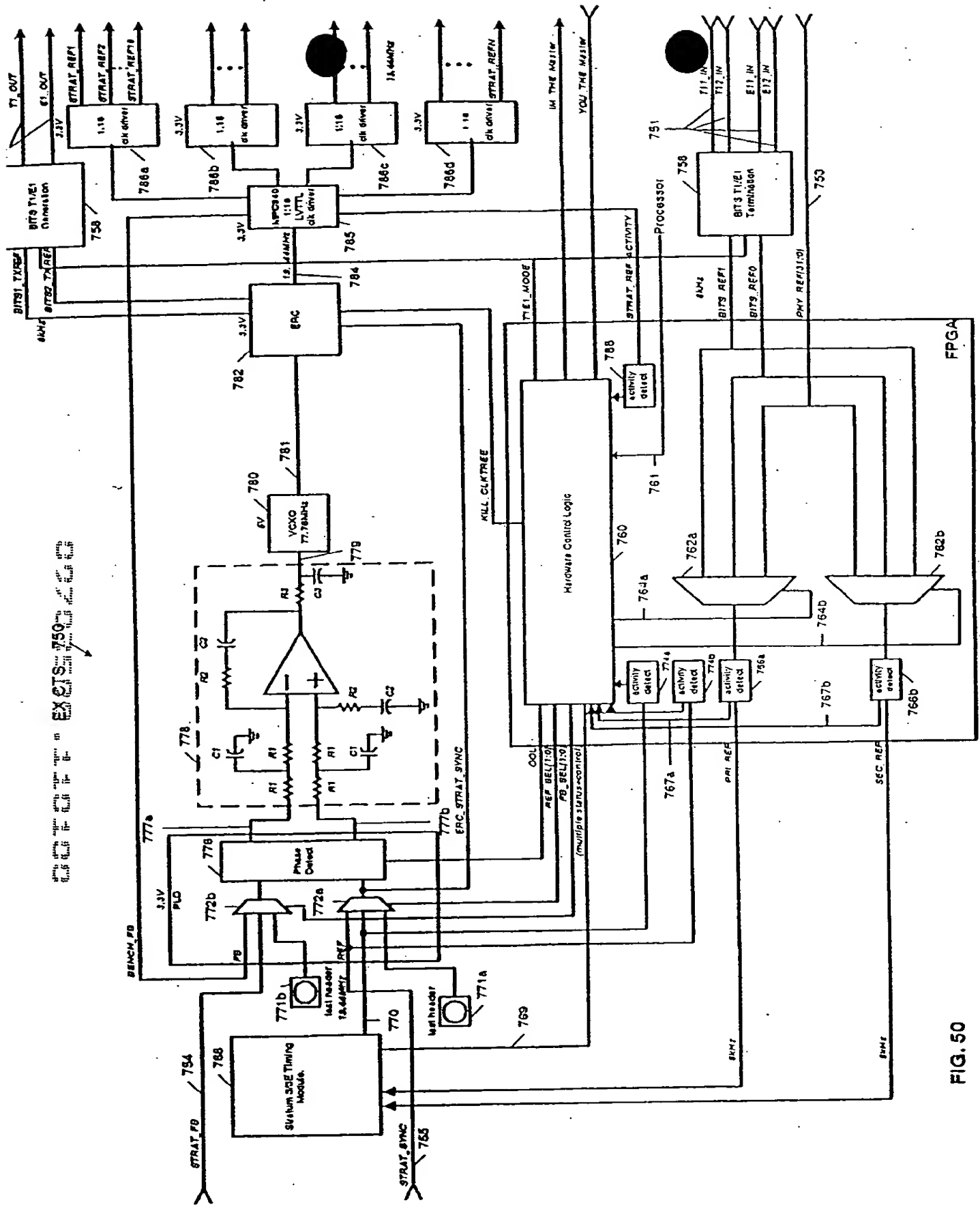
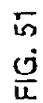


FIG. 50



792

792

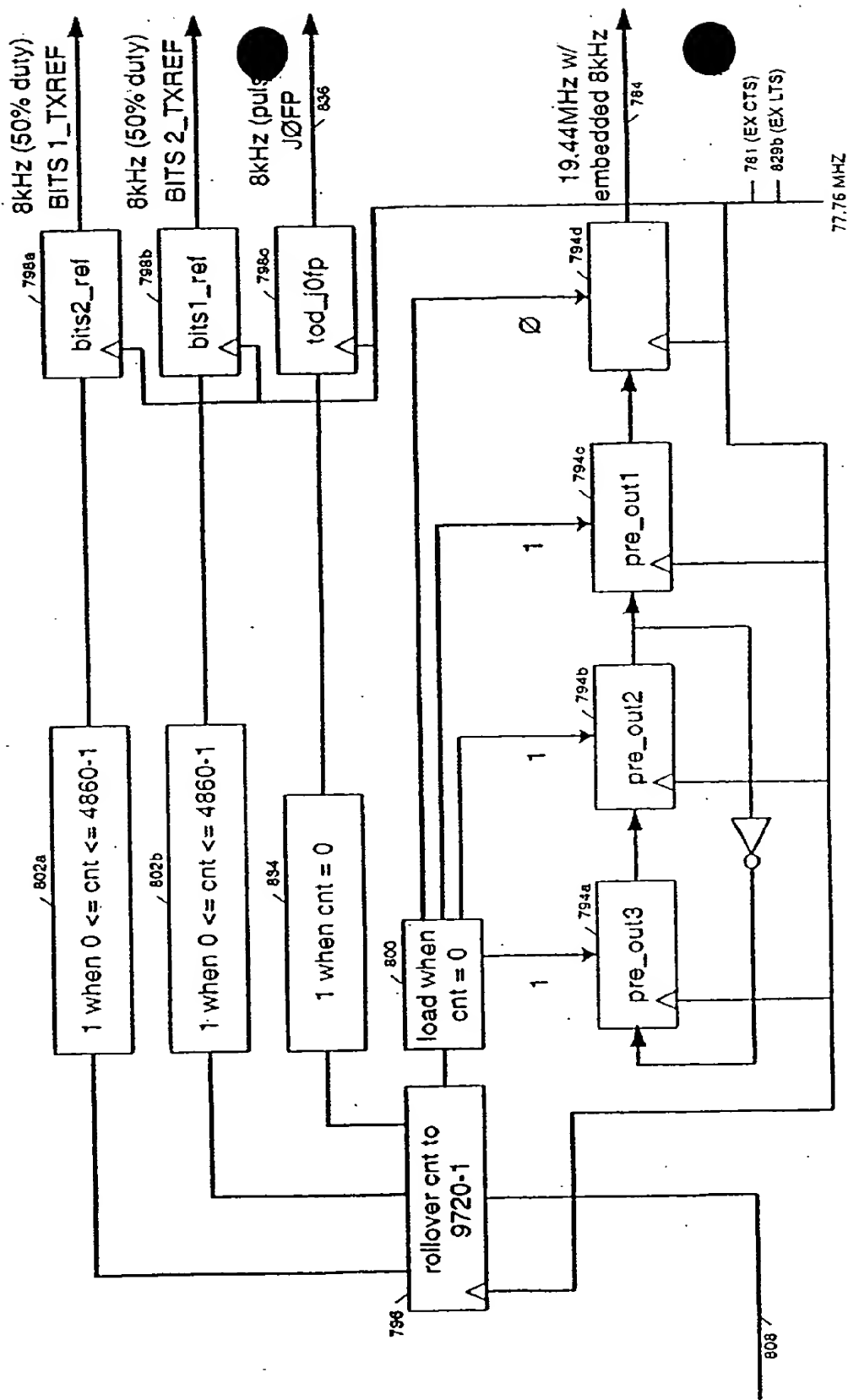
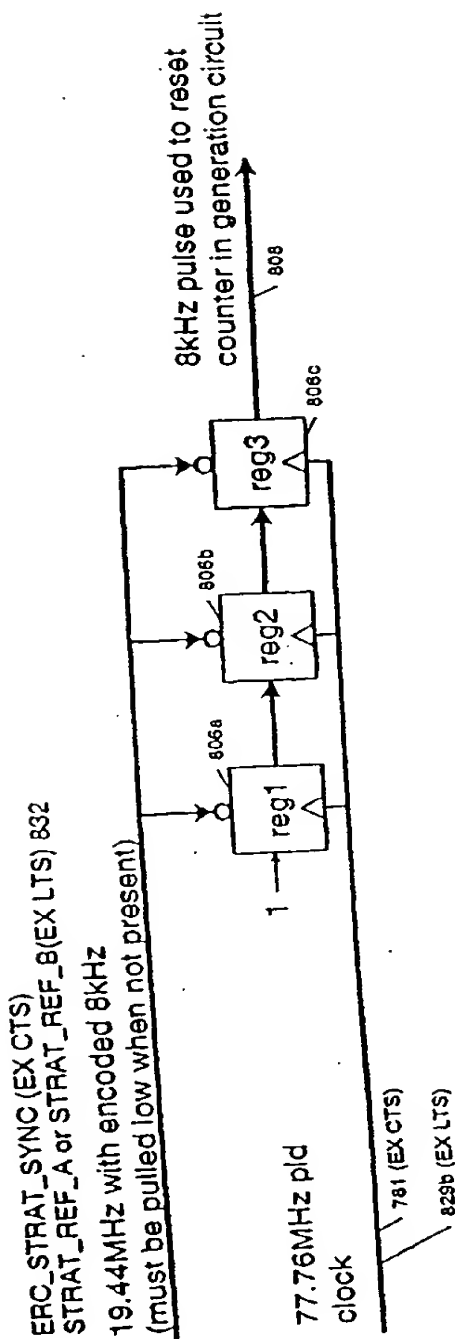


Fig. 52

804



Extractor

FIG. 53

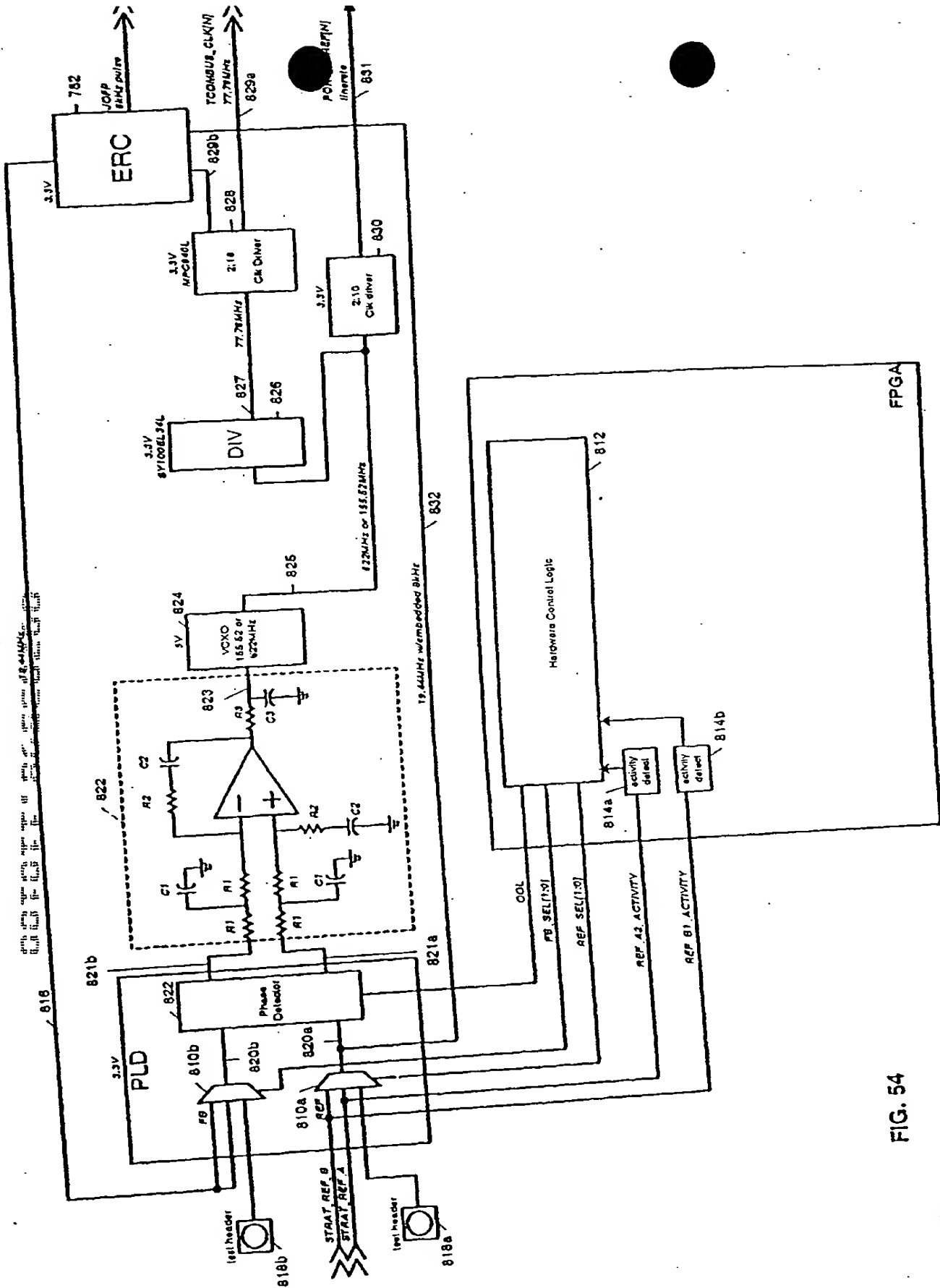


FIG. 54

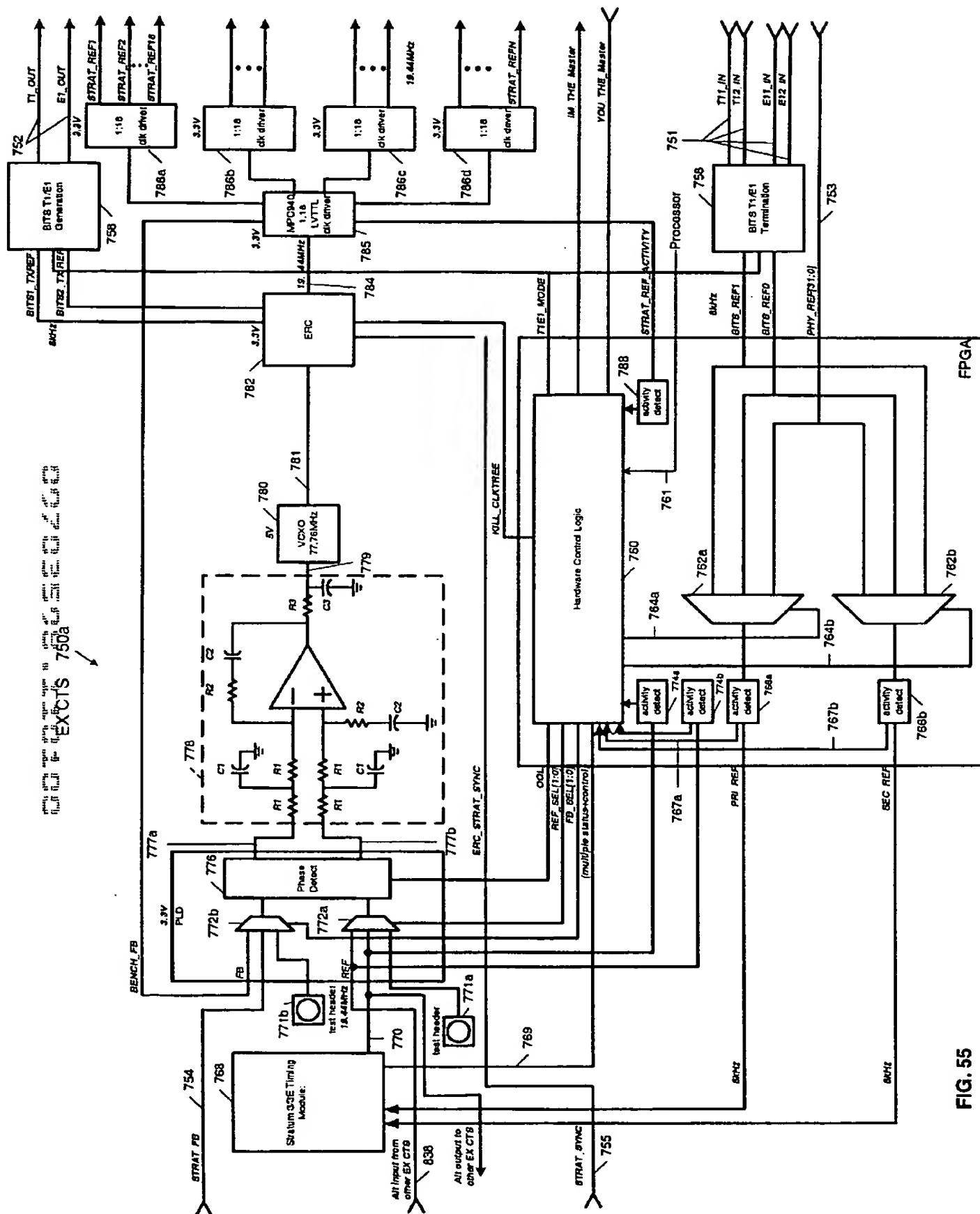


FIG. 55

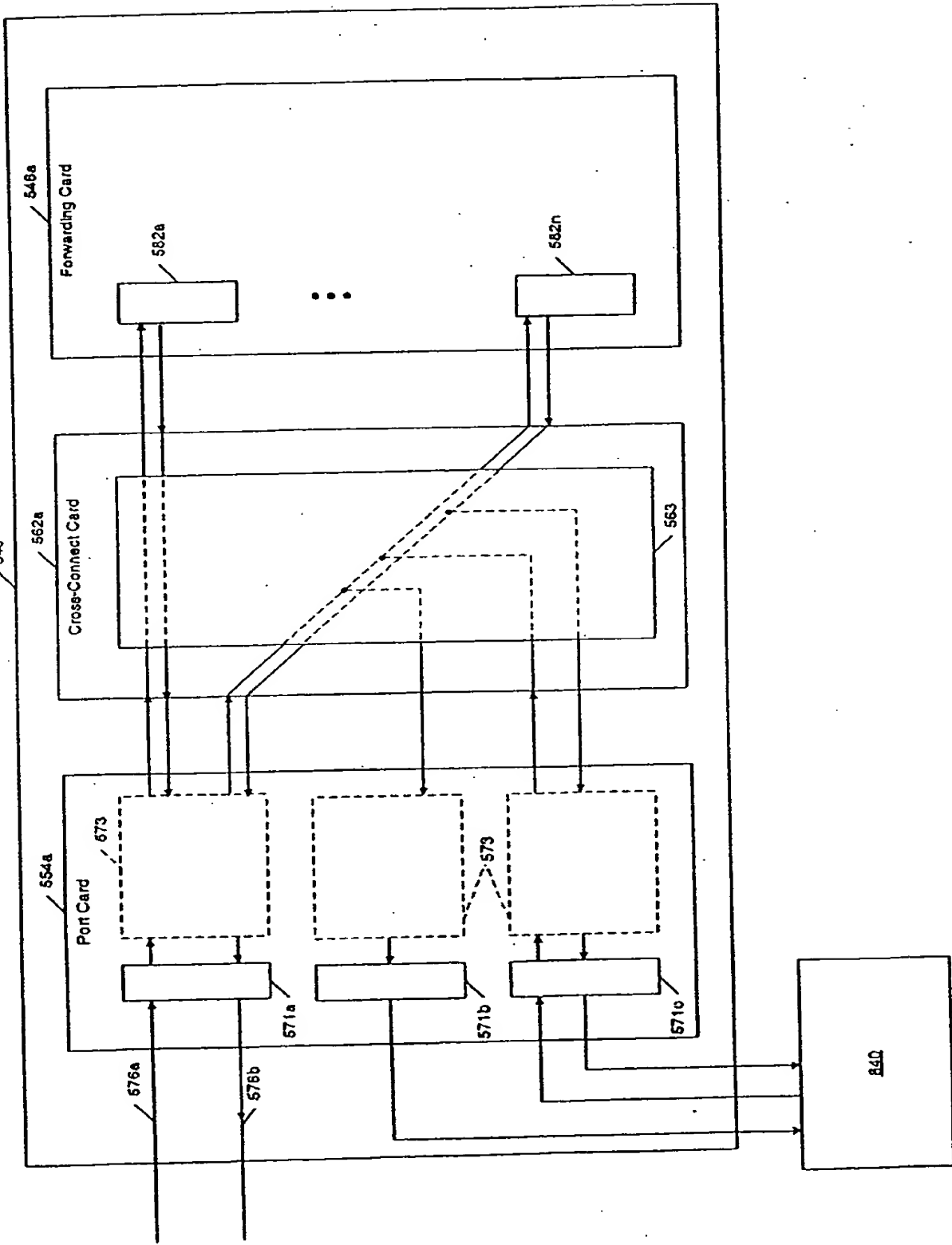


Fig. 56

FIG.57

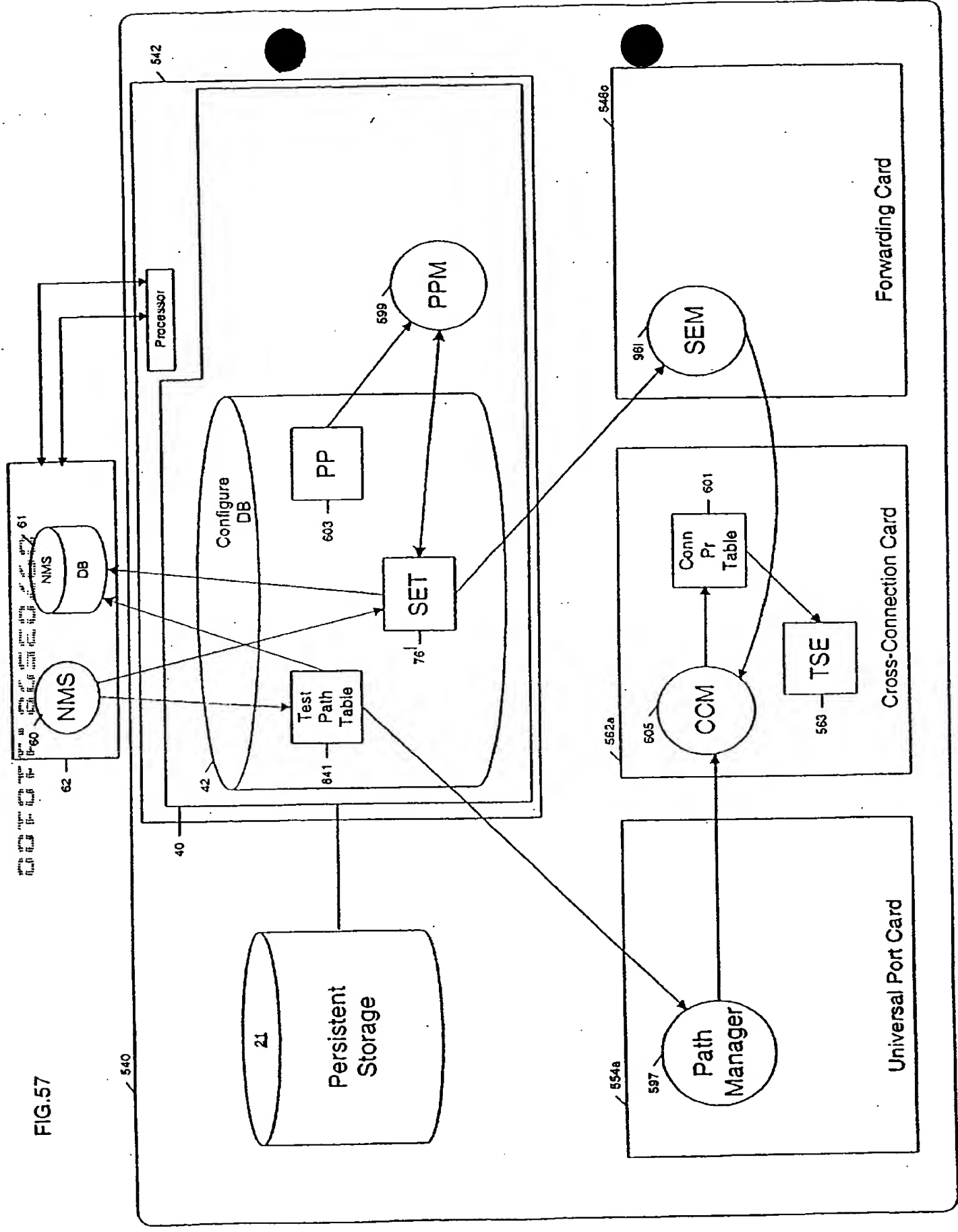


FIG. 58

Test Path Table 841

Path LID	UP Port LID	Time Slot	# of Time Slots	Monitor	Enable Port Receiver	...
1666	1232	4	3	Ingress	No	
1666	1233	4	3	Egress	No	
1666	1233	4	3	Ingress	Yes	
...

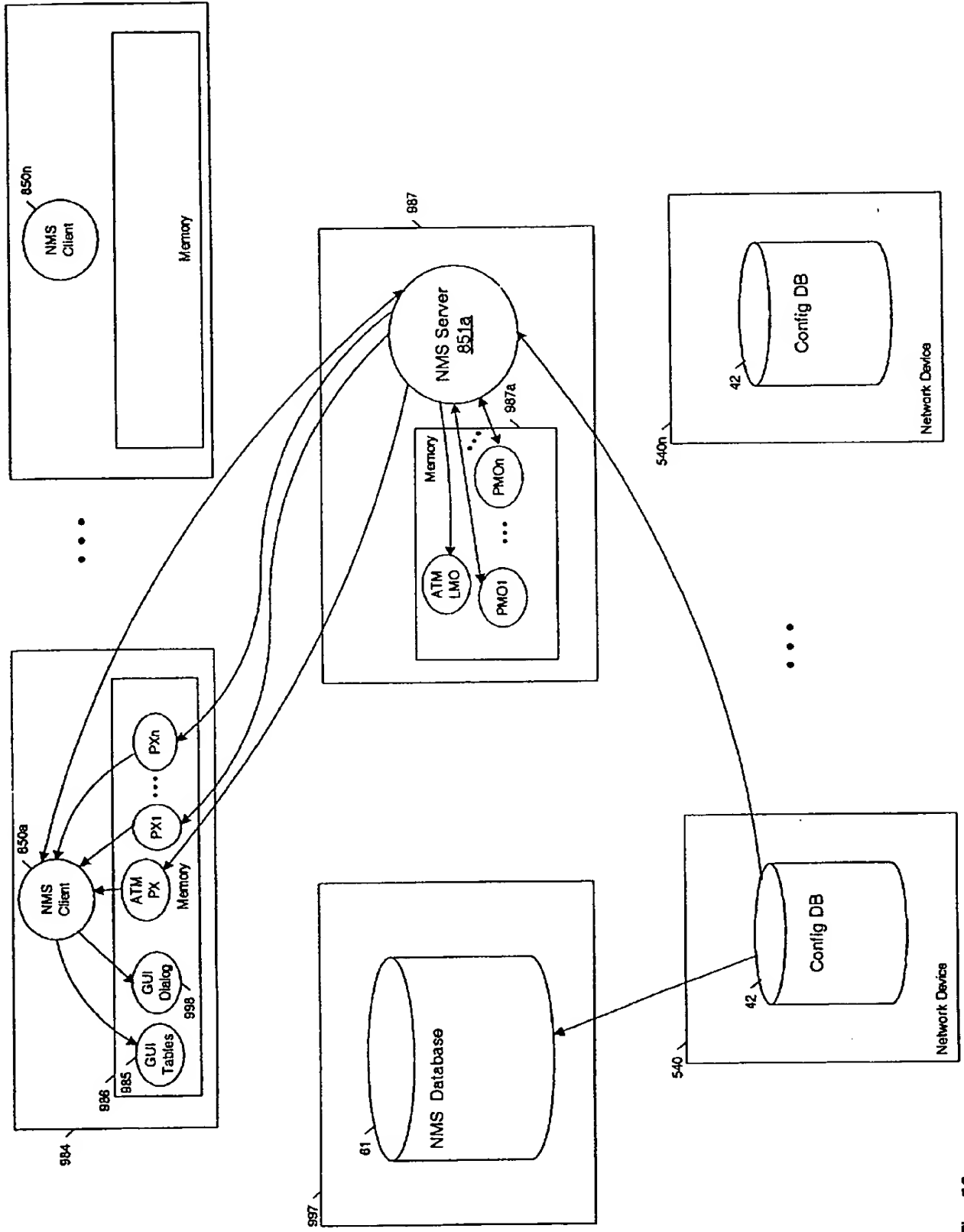


Fig. 59

Fig. 60a

Managed Device Table

PID	A1	...	An
1			

983b points to the first row (PID=1). 983 points to the header row. 983a points to the last column (An).

Fig. 60b

Chassis Table

PID	A1	...	An	Managed Device PID
1				1
⋮	⋮	⋮	⋮	⋮

988b points to the first row (PID=1). 988c points to the header row. 988 points to the last column (Managed Device PID). 988a points to the last row (⋮).

Fig. 60c

Shelf Table

PID	A1	...	An	Chassis PID
3				2
4				2
⋮	⋮	⋮	⋮	⋮
18				2

989a points to the first row (PID=3). 989 points to the header row. 989b points to the last column (Chassis PID).

Fig. 60d

Slot Table

PID	A1	...	An	Shelf PID
20				3
21				3
⋮	⋮	⋮	⋮	⋮
116				18

990a points to the first row (PID=20). 990 points to the header row. 990b points to the last column (Shelf PID). 990c points to the second row (PID=21). 990d points to the last row (PID=116).

CARD TABLE

47a		47b		47c	
PID	CWD TYPE	VERSION NO.	SLOT	PID	...
120	0XF002	3	20		
121	0XF002	4	21		
...
124	0X6002	1	24		
...
131	0XF002	1	31		
...

FIG. 60e

PORT TABLE

49a	49b			49c
	PID	PORT TYPE	VERSION NO.	
	300	00620	1	20
	301	00620	1	20
	302	00620	1	20
	303	00620	1	20
	304	00820	1	20
	:	:	:	:
	400	00620	1	39
	:	:	:	:

FIG. 60f

FIG. 60g

SONET Path Table 600

600a	600b	Path LID	Port PID	Time Slot	# of Time Slots	...
		901	304	4	3	
	
	

FIG. 60h

Service EndPoint Table 76''

76a		76c		76d		76e	76b
SE LID	Q #	FC PID	FC Slice PID	FC Time Slot	Path LID	...	
3000					901		
...

ATM IF Table

ATM IF LID	ATM Group LID	SE LID	...
5054		3000	...
⋮	⋮	⋮	...

Fig. 60j

Virtual ATM IF Table

993a	LID	A1	...	An	993b ATM IF LID	993
	7489				5054	
	⋮	⋮	⋮	⋮	⋮	

Fig. 60k

Virtual Connection Table

994a	LID	A1	...	An	994b Vir. ATM IF LID	994
	⋮	⋮	⋮	⋮	⋮	

Fig. 60L

Virtual Link Table

995a	LID	A1	...	An	995b Vir. Conn. LID	995c Cross-Conn. LID	995
	⋮	⋮	⋮	⋮	⋮	⋮	

Fig. 60m

Cross-Connect Table

996a	LID	A1	...	An	996b Vir. Link1 LID	996c Vir. Link2 LID	996
	⋮	⋮	⋮	⋮	⋮	⋮	

Fig. 60n

ATM Node Table

999

999a

999b

LID	A1	...	An	Managed Device PID
5000				1

999c

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Fig. 61a

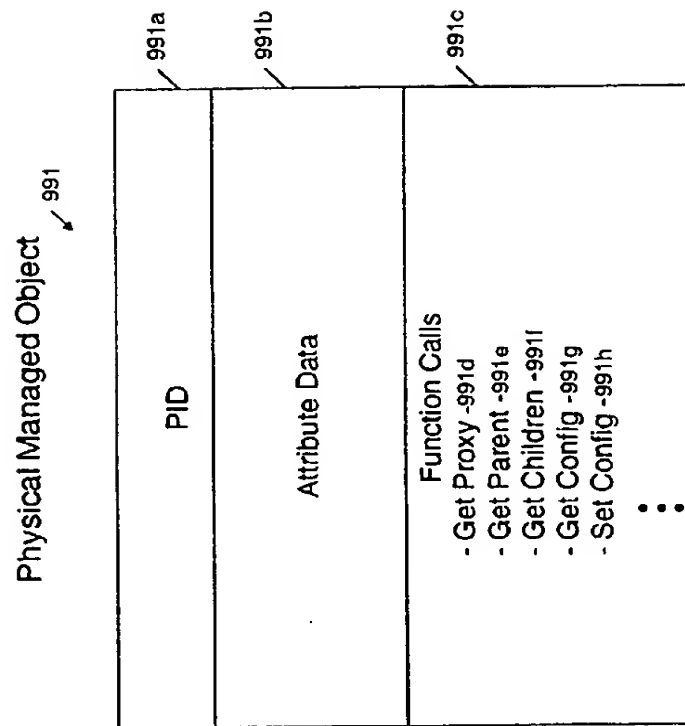
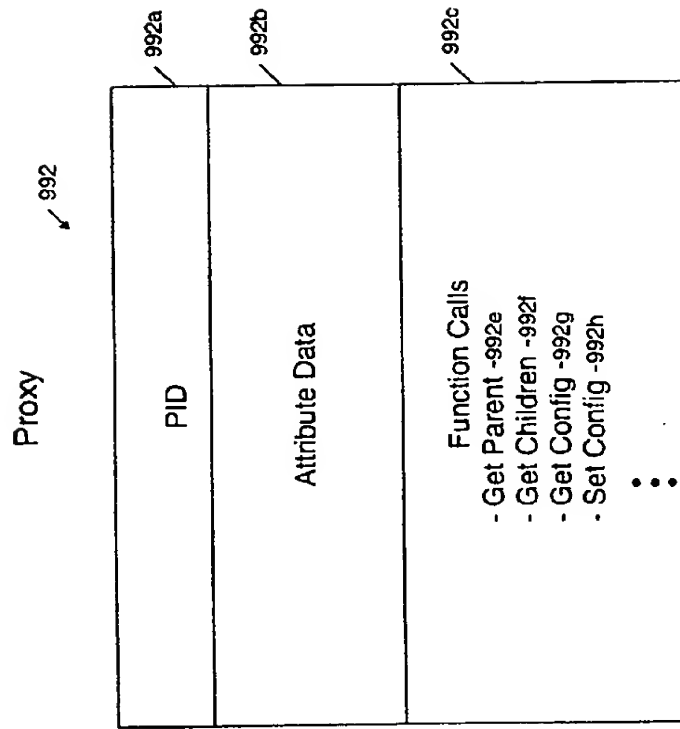


Fig. 61b



997

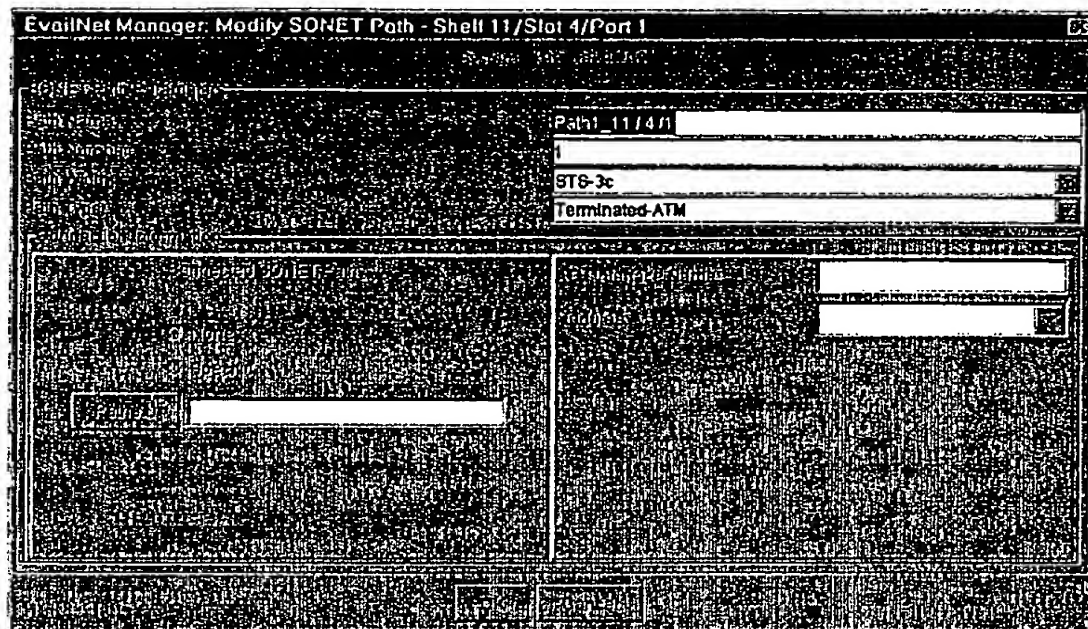


Fig. 62

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